## 8 kW Type Specifications

Item			PAT20-400T	PAT30-266T	PAT40-200T	PAT60-133T	PAT80-100T	PAT160-50T	PAT250-32T	
Nominal input rated voltage		Three-phase 200 V to 240 V, 50 Hz to 60 Hz								
	Input volta	age range/Input frequency range	180 V to 250 V / 47Hz to 63 Hz							
	Efficiency	,			85% (TYP) [at inp	ut voltage of 200 V	AC and rated load]	1		
Input	Power fac									
	Input curr		0.95 (TYP) [at input voltage of 200 VAC and rated load]  32 A (MAX) [rated load]							
	Inrush cui		100 A peak (MAX)							
	Input pow			-	-	10 kVA (MAX)				
	mpat pow	Rated output power	8 kW							
	Rating	Rated output voltage	20.00 V	30.00 V	40.00 V	60.0 V	80.0 V	160.0 V	250.0 V	
	reating	Rated output current	400.0 A	266.0 A	200.0 A	133.0 A	100.0 A	50.0 A	32.00 A	
		Setting accuracy	400.074	200.0 A	1	0.2% of rating +50		30.0 A	02.00 A	
		Max setting voltage			Τ ((	105% of rating	iliv)			
							ma\ /\			
		Line regulation	± (0.05% of rating +5 mV)							
		Load regulation		7. 30		0.1% of rating +5 n	· · · · · · · · · · · · · · · · · · ·	1.6 500/1	1000()	
		Transient response time		(with sensing at ex		i instantaneous chi		irrent from 50% to	· ·	
	Constant voltage		100 mVp-p	300 mVp-p	300 mVp-p		350 mVp-p		450 mVp-p	
	voltage	Ripple noise			hen the measuren	ent frequency ban		Hz		
			10 mVrms	20 mVrms	30 mVrms		30 mVrms		50 mVrms	
Output					When the measure			Z		
		Raise time				rated load)/100 ms	· /			
		Fall time				ated load)/2000 m				
		Temperature coefficient			100 ppm/°C (n	nax) [with external	analog control]			
		Setting accuracy	± (0.5% of rating +50 mA)							
		Max setting current	105% of rating							
		Line regulation	± (0.1% of rating +30 mA)							
	Constant current*	Load regulation	± (0.2% of rating +30 mA)							
		Disale seine	500 mArms         400 mArms         400 mArms         350 mArms         300 mArms         200 mArms         200 mArms							
		Ripple noise	Output voltage is 10 % to 100 % of the rating when the measurement frequency bandwidth is 5 Hz to 1 MHz.							
		Temperature coefficient	200 ppm/°C (typ) [with external analog control]							
	OUTPUT ON/OFF delay		OFF. 0.1 to 10.0 s (resolution: 0.1 s)							
		Maximum display	99.99 999.9						9.9	
Voltage	display	Error	± (0.2% of reading +5 digits) at 23°C ±5°C							
		Maximum display	999.9					99.99		
Current	display	Error	± (0.5% of reading +5 digits) at 23°C ±5°C							
Protection	on function		Overvoltage protection (OVP) / Overcurrent protection (OCP) / Overheat protection (OHP) / Input open phase protection (PHASE) / Fan error protection (FAN) / Mis-connection protection (SENSE) / Breeder circuit overheat protection (BOHP) / Shutdown (SD)							
		OUTPUT ON/OFF control, etc.	OUTPUT ON/OFF, SHUTDOWN							
		Constant voltage, external voltage control				he rated output vol			-	
External	analog	Constant voltage, external resistance control		0% to				o 10 kΩ		
control		Constant current, external voltage control	$0\%$ to 100% or 100% to 0% of the rated output voltage at 0 $\Omega$ to 10 k $\Omega$							
		Constant current, external resistance control								
		Constant current, external recipiance control		07010	10.00 V ±0.25 V at rated voltage output					
		Output voltage	0.00 V ±0.25 V at rated voltage output							
Monitor	output		10.00 V ±0.25 V at 0 V output							
		Output current	0.00 V ±0.25 V at rated current output							
Status output			OUT ON, CV, CC, ALARM, POWER ON, POWER OFF, insulated open collector							
	Status output									
Remote control			Equipped with RS232C interface as standard. SCPI commands, up to 38,400 bps							
Operating temperature/humidity range			0°C to 50°C, 20% to 85% rh							
Storage temperature/humidity range			-25°C to 70°C, 90% rh or less (non-condensing) 430 (440)(16.93"(17.32")) W × 129.2 (155)(5.09"(6.10")) H × 550 (620)(21.65"(24.41")) D mm(inch)							
imensi	Dimensions (maximum)				,,,	ა)(5.09''(6.10'')) H	. , ,,	(∠4.41")) D mm(in		
Weight			Approx. 26 kg (57.32 lb)	Approx. 27 kg (59.52 lb)	Approx. 25 kg (55.12 lb)		Approx. 24 kg (52.91 lb)		Approx. 23 kg (50.71 lb)	

<sup>\*</sup>During constant current operation (set the output voltage at the rated output current greater than equal to the rated output voltage)

Rated load: Refers to a load with a resistance that makes the voltage drop when the rated output current is supplied to be 95 % to 100 % of the maximum output voltage at the rated output current. The output voltage of the PAT including the voltage drop in the load cable must not exceed the maximum output voltage at the rated output current.

No load: Refers to a load with a resistance that makes the voltage drop when the rated output current is supplied to be 10 % of the maximum output voltage or 1 V, whichever is greater, at the rated output current.

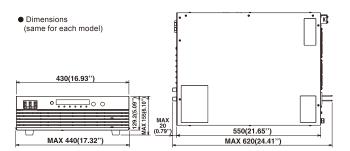


# 8 kW Type Specifications

Name   Imput finded voltage     Three-phase 200 V to 240 V, 50 Ptc to 60 Hz			l to an	DATOES SO ST	DATEGO ACT	DATCED 40 OT	DATOSO O AT	DATAGOO OT	DAT4500 5 3T		
Page   Table	Item			PAT350-22.8T	PAT500-16T	PAT650-12.3T	PAT850-9.4T	PAT1000-8T	PAT1500-5.3T		
Efficiency			-	· · · · · · · · · · · · · · · · · · ·							
Input   Page					250/						
Paties											
Part of cuttor   Constant   Con	Input				0.95 (t			ed load]			
Rating   Rated output power     10 NAX [max]											
Rating   Rated coupts power   SAW   S00.0 V		Inrush cur	rent			100 A pe	ak (max)				
Rating   R		Input pow	er	10 kVA (max)							
Rated country   22.80 \ 16.00 \ 12.30 \ 9.40 \ 8.00 \ 6.30 \ 5.30 \			Rated output power								
Setting accuracy		Rating	Rated output voltage	350.0 V	500.0 V	650.0 V	850.0 V	1000.0 V	1500.0 V		
Max setting voltage   105% of rating   107% of rating			Rated output current	22.80 A	16.00 A	12.30 A	9.40 A	8.00 A	5.30 A		
Line regulation			Setting accuracy	± (0.2% of rating +50 mV)							
Load regulation			Max setting voltage			105% c	of rating				
Tansient response time   5 ms (with sensing at external output, at an instalantarous change in the load current from 50% to 100%)			Line regulation			± (0.05% of r	ating +5 mV)				
Constant voltage   Constant			Load regulation			± (0.1% of ra	ating +5 mV)				
Constant   Voltage   Ripple noise			Transient response time	5 ms (wit	h sensing at external	output, at an instantar	neous change in the lo	oad current from 50%	to 100%)		
Voltage   Voltage   Ripple noise				450 mVp-p	600 mVp-p	600 mVp-p	600 mVp-p	800 mVp-p	1200 mVp-p		
Courset   Cou				'	When th	ne measurement frequ	ency band is 10 Hz to	20 MHz			
Raise time		voltage	Ripple noise	50 mVrms	100 mVrms	100 mVrms	100 mVrms	150 mVrms	200 mVrms		
Raise time					When	the measurement freq	uency band is 5 Hz to	1 MHz	I.		
Fall time	Output		Raise time								
Tent utilities							<i>y</i> , 100 mg (10 1000)	200 ms (rated load)/	200 ms (rated load)/		
Setting accuracy \$\pmu(0.5\) of rating \$\pmu(0.5\) of the rating when the measurement frequency bandwidth is 5 Hz to 1 MHz.    OUTPUT ON/OFF delay			Fall time		200 ms (rated load)	)/ 4000 ms (no load)			6000 ms (no load)		
Max setting current Line regulation Line regul			Temperature coefficient								
Constant   Correct   Constant   Correct			Setting accuracy	± (0.5% of rating +50 mA) ± (1% of rating +100 mA)							
Constant current   Constant c			Max setting current	105% of rating							
Constant current    Constant current   Constant cur			Line regulation								
Ripple noise   200 mArms   200 mArms   150 mArms   120 mArms			Load regulation								
Output voltage is 10 % to 100 % of the rating when the measurement frequency bandwidth is 5 Hz to 1 MHz.   Temperature coefficient   200 ppm/°C (typ) [with external analog control]		current*		200 mArms	200 mArms	150 mArms		120 mArms			
OUTPUT ON/OFF delay   Maximum display   999.9   999.9			Ripple noise								
Maximum display   Serror			Temperature coefficient	200 ppm/°C (typ) [with external analog control]							
Maximum display   Serror		OUTPUT	ON/OFF delay	,		OFF. 0.1 to 10.0 s	(resolution: 0.1 s)	, <del>"</del>			
Error			Maximum display	999.9							
Maximum display   Error	Voltage	display									
Error			Maximum display								
Overvoltage protection (OVP) / Overcurrent protection (OCP) / Overheat protection (OHP) / Input open phase protection (OPHASE) / Fan error protection (FAN) / Mis-connection protection (SENSE) / Breeder circuit overheat protection (BOHP) / Shutdown (SD)    OUTPUT ON/OFF control, etc.	Current	display									
Input open phase protection (PHASE) / Fan error protection (FAN) / Mis-connection protection (SENSE) / Breeder circuit overheat protection (BOHP) / Shutdown (SD)    Stetral analog control   Constant voltage, external voltage control   Constant voltage, external voltage control   O% to 100% of the rated output voltage at 0 to 10 V											
OUTPUT ON/OFF control, etc.  Constant voltage, external voltage control  Constant voltage, external voltage control  Constant voltage, external resistance control  Constant current, external resistance control  Constant current, external voltage control  Constant current, external voltage control  Constant current, external resistance control  O% to 100% or 100% to 0% of frated output current at 0 to 10 V  Constant current, external resistance control  O% to 100% or 100% to 0% of rated output currenn at 0 Ω to 10 kΩ  Output voltage  Output voltage  Output current  Ou	Protection	on function		Input open phase protection (PHASE) / Fan error protection (FAN) / Mis-connection protection (SENSE) /							
Constant voltage, external voltage control   0% to 100% of the rated output voltage at 0 to 10 V											
Constant voltage, external resistance control  Constant voltage, external resistance control  Constant current, external voltage control  Constant current, external resistance control  Constant current, external resistance control  Ow to 100% or 100% to 0% of rated output current at 0 to 10 kΩ  Constant current, external resistance control  Ow to 100% or 100% to 0% of rated output current at 0 to 10 kΩ											
Constant current, external voltage control   O% to 100% of 100% to 0% of tared output current at 0 to 10 V	External	analog									
Constant current, external resistance control $0\%$ to $100\%$ or $100\%$ to $0\%$ of rated output currenn at $0\Omega$ to $10 \text{ k}\Omega$ Output voltage $0.00 \text{ V} \pm 0.25 \text{ V} \text{ at rated voltage output}$ $0.00 \text{ V} \pm 0.25 \text{ V} \text{ at o V output}$ $0.00 \text{ V} \pm 0.25 \text{ V} \text{ at rated current output}$ $0.00 \text{ V} \pm 0.25 \text{ V} \text{ at o A current}$ Status output $0.00 \text{ V} \pm 0.25 \text{ V} \text{ at O A current}$ OUT ON, CV, CC, ALARM, POWER ON, POWER OFF, insulated open collector Equipped with RS232C interface as standard. SCPI commands, up to $38,400 \text{ bps}$ Operating temperature/humidity range $0\text{ Ct to } 50\text{ Ct}, 20\% \text{ to } 85\% \text{ rh}$ Storage temperature/humidity range $-25\text{ Ct to } 70\text{ Ct}, 90\% \text{ rh or less (non-condensing)}$ Olimensions (maximum) $430 (440)(16.93\text{"(17.32")}) \text{ W} \times 129.2 (155)(5.09\text{"(6.10")}) \text{ H} \times 550 (620)(21.65\text{"(24.41")}) \text{ D mm(inch)}$ Moriett	control	unulog	*	·							
Output voltage			Constant current, external voltage control	0% to 100% of tared output current at 0 to 10 V							
Output voltage			Constant current, external resistance control	0% to 100% or 100% to 0% of rated output currenn at 0 $\Omega$ to 10 $k\Omega$							
Output   O		Output voltage		10.00 V ±0.25 V at rated voltage output							
Output current	Monitor	outnut	o alpat voltago	0.00 V ±0.25 V at 0 V output							
O.00 V ±0.25 V at 0 A current	Wioriitor	σαιραί	Output current	10.00 V ±0.25 V at rated current output							
Remote control         Equipped with RS232C interface as standard. SCPI commands, up to 38,400 bps           Operating temperature/humidity range         0°C to 50°C, 20% to 85% rh           Storage temperature/humidity range         -25°C to 70°C, 90% rh or less (non-condensing)           Dimensions (maximum)         430 (440)(16.93"(17.32")) W × 129.2 (155)(5.09"(6.10")) H × 550 (620)(21.65"(24.41")) D mm(inch)           Approx. 23 kg         Approx. 22 kg         Approx. 23 kg			Satput ouriont	0.00 V ±0.25 V at 0 A current							
O'C to 50°C, 20% to 85% rh	Status output			OUT ON, CV, CC, ALARM, POWER ON, POWER OFF, insulated open collector							
25°C to 70°C, 90% rh or less (non-condensing)   25°C to 70°C, 90°C, 90°C, 90	Remote control			Equipped with RS232C interface as standard. SCPI commands, up to 38,400 bps							
Dimensions (maximum) 430 (440)(16.93"(17.32")) W × 129.2 (155)(5.09"(6.10")) H × 550 (620)(21.65"(24.41")) D mm(inch)  Approx. 23 kg Approx. 22 kg Approx. 23 kg	Operating temperature/humidity range			0°C to 50°C, 20% to 85% rh							
Approx. 23 kg Approx. 22 kg Approx. 23 kg	Storage temperature/humidity range			-25°C to 70°C, 90% rh or less (non-condensing)							
	Dimensions (maximum)			430 (440)(16.93"(17.32")) W × 129.2 (155)(5.09"(6.10")) H × 550 (620)(21.65"(24.41")) D mm(inch)							
(50.71 lb) (48.50 lb) (50.71 lb)	Weight										
	vveigni			(50.71 lb) (48.50 lb) (50.71 lb)							







### 4 kW Type Specifications

Item			PAT20-200T PAT40-100T PAT60-67T PAT160-25T						
Nominal input rated voltage			Single-phase/three-phase 200 to 240 VAC, 50-60 Hz						
		ge range/Input frequency range	180 V to 250 V / 47 Hz to 63 Hz						
	Efficiency	<u> </u>	84% (min) 85% (min) [at input voltage of 200 VAC and rated load]						
Input	Power fact	or	0.95 (typical) [at input voltage of 200 VAC and rated load]						
	Input curre		Single-phase 22 A (max) [at 3 kW load]/three-phase 17 A (max) [at rated load]						
	Inrush curr		50 A peak (max)						
	Input powe		Single-phase 4 kVA (max) [at 3 kW load]/three-phase 5 kVA (max) [at rated load]						
		Rated output power	4 kW(three-phase input mode) / 3 kW(single-phase input mode)						
	Rating	Rated output voltage	20.00 V	40.00 V	60.00 V	160.0 V			
		Rated output current	200.0 A	100.0 A	67.00 A	25.00 A			
		Setting accuracy			ating +50 mV)				
		Max setting voltage			of rating				
		Line regulation			rating +5 mV)				
		Load regulation			ating +5 mV)				
		Transient response time	5 me (s	· · · · · · · · · · · · · · · · · · ·	n load current from 50% to	100%)			
	Constant	Transient response time	100 mVp-p	300m Vp-p	350 mVp-p	350 mVp-p			
	Constant voltage				lency band is 10 Hz to 20				
		Ripple noise	10 mVrms	30 mVrms	30 mVrms	30 mVrms			
Output		Pains time	VVI		quency band is 5 Hz to 1 M d)/100 ms (no load)	III			
		Raise time							
		Fall time	100 ms (rated load)/2000 ms (no load)						
		Temperature coefficient	100 ppm/°C (max) [with external analog control]						
		Setting accuracy	± (0.5% of rating +50 mA)						
		Max setting current	105% of rating × 75% (with single-phase input) / 105% of rating (with three-phase input)						
	Constant	Line regulation	± (0.1% of rating +30 mA) ± (0.2% of rating +30 mA)						
	current*	Load regulation		· · · · · · · · · · · · · · · · · · ·	,				
		Ripple noise	400 mArms	300 mArms	250 mArms	200 mArms			
			When the measurement frequency band is 5 Hz to 1 MHz						
		Temperature coefficient	200 ppm/°C (typ) [with external analog control]						
	OUTPUT	DN/OFF delay	OFF. 0.1 to 10.0 s (resolution: 0.1 s)						
oltage	display	Maximum display	99.99 999.9						
		Error	± (0.2% of reading +5 digits) at 23°C ±5°C						
urrent	display	Maximum display	999.9 99.99						
		Error	± (0.5% of reading +5 digits) at 23°C ±5°C						
rotectio	on function		Overvoltage protection (OVP) / Overcurrent protection (OCP) / Overheat protection (OHP) / Input open phase protection (PHASE) / Fan error protection (FAN) / Mis-connection protection (SENSE) / Breeder circuit overheat protection (BOHP) / Shutdown (SD						
		OUTPUT ON/OFF control, etc.		OUTPUT ON/O	FF, SHUTDOWN				
		Constant voltage, external voltage control		0% to 100% of the rated	output voltage at 0 to 10 V				
cternal introl	analog	Constant voltage, external resistance control							
, iti 01		Constant current, external voltage control		0% to 100% of tared ou	tput current at 0 to 10 V				
		Constant current, external resistance control	0% to 1	00% or 100% to 0% of rat	ted output currenn at 0 Ω t	o 10 kΩ			
		0		10.00 V ±0.25 V at	rated voltage output				
		Output voltage	0.00 V ±0.25 V at 0 V output						
.,		' '		10.00 V ±0.25 V at rated current output					
onitor (	output				· · · · · · · · · · · · · · · · · · ·				
onitor (	output	Output current		10.00 V ±0.25 V at	· · · · · · · · · · · · · · · · · · ·				
			OUT ON, CV.	10.00 V ±0.25 V at 0.00 V ±0.25 \	rated current output	open collector			
atus o				10.00 V ±0.25 V at 0.00 V ±0.25 \ CC, ALARM, POWER ON	rated current output / at 0 A current I, POWER OFF, insulated	· ·			
atus o	utput	Output current		10.00 V ±0.25 V at 0.00 V ±0.25 V CC, ALARM, POWER ON RS232C interface as starr	rated current output / at 0 A current J, POWER OFF, insulated idard. SCPI commands, u	· ·			
atus or emote peratin	utput control g temperati	Output current ure/humidity range		10.00 V ±0.25 V at 0.00 V ±0.25 V CC, ALARM, POWER ON RS232C interface as star 0°C to 50°C, 2	rated current output  / at 0 A current  N, POWER OFF, insulated idard. SCPI commands, up  20% to 85% rh	· ·			
peratin torage	utput control g temperati	Output current  ure/humidity range	Equipped with	10.00 V ±0.25 V at 0.00 V ±0.25 V CC, ALARM, POWER ON RS232C interface as star 0°C to 50°C, 2 -25°C to 70°C, 90% rh c	rated current output / at 0 A current J, POWER OFF, insulated idard. SCPI commands, u	p to 38,400 bps			

\*During constant current operation (set the output voltage at the rated output current greater than equal to the rated output voltage)

Rated load: Refers to a load with a resistance that makes the voltage drop when the rated output current is supplied to be 95 % to 100 % of the maximum output voltage at the rated output current. The output voltage of the PAT including the voltage drop in the load cable must not exceed the maximum output voltage at the rated output current.

No load: Refers to a load with a resistance that makes the voltage drop when the rated output current is supplied to be 10 % of the maximum output voltage or 1 V, whichever is greater, at the rated output current.

	Communication Interface (Each Model is the Same)						
RS232C	Conforms to EIA232D specifications. D-SUB 9-pin connector Baud rate: 1200, 2400, 4800, 9600, 19200, 38400 bps Data length: 7 or 8 bits, Stop bit length: 1 or 2 bits, Parity: None, flow control						
GPIB*	Conforms to IEEE Std 488.1-1987 specifications. SH1, AH1, T6, L4, SR1, RL1, PP0, DC1, DT1, C0, E1						
USB*	Conforms to USB2.0 specifications. Communication speed: 12 Mbps (full speed) Conforms to USBTMC-USB488 device class specifications.						
LAN*	Conforms to the protocol VXI-11 IEEE 802.3 100Base-TX/10Base-T Ethernet IPv4, RJ-45 connector						
Common	Conforms to the messaging protocol IEEE Std 488.2-1992, SCPI Specification 1999.0						

Note: An input power cable is not included with the PAT-T series. Customers should either provide an input cable themselves or request an input cable (AC8-4P4M-M6C) sold optionally by Kikusui.

type can perate with ingle-phase 00 volt input.

<sup>\*</sup>Only one of these can be built in the power supply unit optionally.



#### Smart Rack Model Specifications\*

\*The specifications table below applies to typical models. For other models, please refer to our web site.

Unless otherwise stated, the specifications shall conform to the settings and conditions indicated hereinafter. ■Loads shall be purely resistance.

■Warm-up time shall be 30 minutes (condition with current flowing). ■After warm-up is completed, it will be necessary to calibrate correctly in a 23°C±5°C environment and in accordance with instruction manual procedures."Typ" values or standard values do not guarantee performance.

\*\*\*% of rating" indicates \*\*% of the output voltage or output current reading.

Specifications	Output		Input						Weight *0
Madal Nama *4	CV	CC	Voltage/Frequency	Current	Inrush Current	Power	Power Factor	Efficiency	Weight *2
Model Name *1	V	Α		A (max.)	A (max.)	kVA (max.)	typ.	%(min.)	kg(Approx.)
PAT20-800TM (X)		0 to 800		62	200	20			80(90)
PAT20-1200TM (X)	0 to 20	0 to 1200		96	300	30	]		120(130)
PAT20-1600TM (X)	0 to 20	0 to 1600		128	400	40	]		150(160)
PAT20-2000TM (X)		0 to 2000		160	500	50	]		180(200)
PAT40-400TM (X)	0 to 40	0 to 400		62	200	20			80(90)
PAT40-600TM (X)		0 to 600	Th	96	300	30			120(130)
PAT40-800TM (X)		0 to 800	Three-phase	128	400	40			150(160)
PAT40-1000TM (X)		0 to 1000	AC200 V to AC240 V	160	500	50	0.95	85	180(200)
PAT60-266TM (X)		0 to 266	(AC180 V to AC250 V) 50 Hz to 60 Hz	62	200	20	0.95	65	80(90)
PAT60-399TM (X)	0 to 60	0 to 399	(47 Hz to 63 Hz)	96	300	30	]		120(130)
PAT60-532TM (X)	0 10 60	0 to 532	(47 112 to 03 112)	128	400	40	]		150(160)
PAT60-655TM (X)	1	0 to 665		160	500	50	]		180(200)
PAT160-100TM (X)	0 to 160	0 to 100		62	200	20	]		80(90)
PAT160-150TM (X)		0 to 150		96	300	30	]		120(130)
PAT160-200TM (X)		0 to 200		128	400	40	]		150(160)
PAT160-250TM (X)		0 to 250		160	500	50			180(200)

<sup>\*1:</sup> Breaker-equipped models have an "X" attached at the end of the model name. \*2: Models appearing in ( ) are breaker-equipped models.

#### ●Common specifications and general specifications

Voltage display	Maximum displa	ay: 99.99(model with less than 100 V rating)	Dimensions (mm) Model without breaker
		: 999.9(model with at least 100 V rating)	16 kW type: W433(445)×H337(425)×D765(945)
	Display error	: ±(0.2% of reading+5 digits)	24 kW type: W433(445)×H470(555)×D765(945)
Current display	Maximum displa	ay: 999.9(model with less than 1000 A rating)	32 kW type: W433(445)×H602(705)×D765(945)
		: 9999(model with at least 1000 A rating)	40 kW type: W433(445)×H735(835)×D765(945)
	Display error	: 16 kW type: ±(0.6% of reading+5 digits)	Model with breaker
		: 24 kW, 32 kW type: ±(0.6% of reading+10 digits)	16 kW type: W433(445)×H487(575)×D765(945)
		: 40 kW type: ±(0.6% of reading+15 digits)	24 kW type: W433(445)×H620(705)×D765(945)
Monitor signal output	VMON(voltage)	: At rated voltage output: 10.00 V ±0.25 V	32 kW type: W433(445)×H752(855)×D765(945)
		: At 0 V output: 0.00 V ±0.25 V	40kW type: W433(445)×H975(1075)×D765(945)
	IMON(current)	: At rated current output: 10.00 V ±0.25 V	Value appearing in ( ) is maximum that includes protruding portion.
		: At 0 A output: 0.00 V ±0.25 V	Accessories Instruction manual, protective cover, connecting screws
Digital control	RS232C	: Conforms to EIA232D specifications	
	GPIB(option)	: Conforms to IEEE STD.488.1-1978 specifications	
	USB(option)	: Conforms to USB2.0 specifications	
External analog contro	I OUTPUT ON/O	FF, SHUTDOWN	
	Constant voltage, ex	ternal voltage control: 0% to 100% of rated output voltage at 0 to 10 V	
	Constant voltage, ex	sternal resistance control: 0% to 100% or 100% to 0% of rated output voltage at 0 Ω to 10 kΩ	●Rear panel (24 kW example) *Protective cover was removed for photograph.
	Constant current, ex	ternal voltage control: 0% to 100% of rated output current at 0 to 10 V	CONTRACTOR DESCRIPTION OF
	Constant current, ex	ternal resistance control: 0% to 100% or 100% to 0% of rated output current at 0 Ω to 10 kΩ	
Environment specificatio	ns Operating temp	erature: 0 °C to 40 °C	
	Operating humi	dity: 20% to 85% rh (no condensation)	
	Storage temper	ature: -25 °C to 70 °C	
	Storage humidit	y: 90% rh or less (no condensation)	
	Cooling system:	Forced air cooling with fan	
	Ground polarity	: Negative or positive ground possible	
	Ground voltage:	: +250 Vmax (models less than 100 V)	

+500 Vmax (models from 100 V to less than 500 V)



Breaker not included



Breaker included