

SPECIFICATIONS

Model	34330E		34335E		34340E	
Power	30 kW	30 kW	35 kW	35 kW	40 kW	40 kW
Current	0 A to 15 A	0 A to 150 A	0 A to 17.5 A	0 A to 175 A	0 A to 20 A	0 A to 200 A
Voltage	0 V to 1250 V					
Protections						
Over Power Protection(OPP)	105 %					
Over Current Protection(OCP)	104 %					
Over Voltage Protection(OVP)	104 %					
Over Temp Protection(OTP)	YES					
Constant Current Mode						
Range *1	15 A	150 A	17.5 A	175 A	20 A	200 A
Resolution	0.24 mA	2.4 mA	0.28 mA	2.8 mA	0.32 mA	3.2 mA
Accuracy *2	± 0.05 % of (Setting + Range)					
Constant Resistance Mode						
Range	9996 Ω to 8.33 Ω	8.33 Ω to 0.417 Ω	8568 Ω to 7.14 Ω	7.14 Ω to 0.357 Ω	7500 Ω to 6.25 Ω	6.25 Ω to 0.315 Ω
Resolution	2.0008 μS	0.139 mΩ	2.334 μS	0.119 mΩ	2.6667 μS	0.105 mΩ
Accuracy	± 0.2 % of (Setting + Range)					
Constant Voltage Mode						
Range	1250 V	1250 V	1250 V	1250 V	1250 V	1250 V
Resolution	20 mV	20 mV	20 mV	20 mV	20 mV	20 mV
Accuracy	± 0.05 % of (Setting + Range)					
Constant Power Mode						
Range	3000 W	30000 W	3500 W	35000 W	4000 W	40000 W
Resolution	48 mW	480 mW	56 mW	560 mW	64 mW	640 mW
Accuracy *3	± 0.1 % of (Setting + Range)					
Constant Voltage + Current Limit Mode						
Range	1250 V	150 A	1250 V	175 A	1250 V	200 A
Resolution	20 mV	2.4 mA	20 mV	2.8 mA	20 mV	3.2 mA
Accuracy	± 0.05 % of (Setting + Range)	± 1.0 % of (Setting + Range)	± 0.05 % of (Setting + Range)	± 1.0 % of (Setting + Range)	± 0.05 % of (Setting + Range)	± 1.0 % of (Setting + Range)
Constant Voltage + Power Limit Mode						
Range	1250 V	30000 W	1250 V	35000 W	1250 V	40000 W
Resolution	20 mV	480 mW	20 mV	560 mW	20 mV	640 mW
Accuracy	± 0.05 % of (Setting + Range)	± 1.0 % of (Setting + Range)	± 0.05 % of (Setting + Range)	± 1.0 % of (Setting + Range)	± 0.05 % of (Setting + Range)	± 1.0 % of (Setting + Range)
MPPT Mode						
Algorithm	P&O					
Load mode	CV					
P&O interval	1000 ms to 60000 ms ; resolution 1000 ms					
Dynamic Mode						
Timing	0.050 ms to 9.999 ms / 99.99 ms / 999.9 ms / 9999 ms					
Thigh & Tlow	0.001 ms / 0.01 ms / 0.1 ms / 1 ms					
Resolution	1 μs / 10 μs / 100 μs / 1 ms + 50 ppm					
Accuracy	0.012 A/μs to 0.75 A/μs					
Slew rate	0.012 A/μs to 0.75 A/μs	0.12 A/μs to 7.5 A/μs	0.014 A/μs to 0.875 A/μs	0.14 A/μs to 8.75 A/μs	0.016 A/μs to 1 A/μs	0.16 A/μs to 10 A/μs
Resolution	0.003 A/μs	0.03 A/μs	0.0035 A/μs	0.035 A/μs	0.002 A/μs	0.04 A/μs
Min. Rise Time	20 μs (typical)					
Accuracy	± (5 % of Setting) ±10 μs					
Current	0 A to 15 A					
Range	0 A to 15 A	15 A to 150 A	0 A to 17.5 A	17.5 A to 175 A	0 A to 20 A	20 A to 200 A
Resolution	0.24 mA	2.4 mA	0.28 mA	2.8 mA	0.32 mA	3.2 mA
Measurement						
Voltage Read Back						
Range (5 Digital)	0 V to 125 V	125 V to 1250 V	0 V to 125 V	125 V to 1250 V	0 V to 125 V	125 V to 1250 V
Resolution	2 mV	20 mV	2 mV	20 mV	2 mV	20 mV
Accuracy	± 0.025 % of (Reading + Range)					
Current Read Back						
Range (5 Digital)	0 A to 15 A	15 A to 150 A	0 A to 17.5 A	17.5 A to 175 A	0 A to 20 A	20 A to 200 A
Resolution	0.24 mA	2.4 mA	0.28 mA	2.8 mA	0.32 mA	3.2 mA
Accuracy	± 0.05 % of (Reading + Range)					
Power Read Back						
Range (5 Digital)	3000 W	30000 W	3500 W	35000 W	4000 W	40000 W
Resolution	0.1 W	1 W	0.1 W	1 W	0.1 W	1 W
Accuracy *4	± 0.06 % of (Reading + Range)					
General						
Short Circuit	150 A					
Current	150 A		175 A		200 A	
Load ON Voltage	1.0 V to 250 V					
Load OFF Voltage	0 V to 250 V					
Power Consumption	2800 Wmax		3250 Wmax		3700 Wmax	
Dimension(HxWxD)	1197 mm x 647 mm x 766 mm		1353 mm x 647 mm x 766 mm		1509 mm x 647 mm x 766 mm	
Weight	340 Kg		390 Kg		430 Kg	
Operating Range						
Temperature *5	0 °C to 40 °C					
Humidity	20 % to 85 %rh					
Storage Range						
Temperature	-20 °C to +70 °C					
Humidity	≤ 90 %rh					
Withstanding Voltage Test						
AC input and FG	AC 1500 V, 1 minute.					
AC input and Load terminal	AC 3000 V, 1 minute.					
Load terminal and FG	AC 1500 V, 1 minute.					
Safety & EMC	CE					

Note *1 : The range is automatically or forcing to range II only in CC mode

Note *2 : If the operating current is below range 0.1 %, the accuracy specification is 0.1 % F.S.

Note *3 : If the operating voltage is higher than 600 V, the accuracy specification is 0.5 % F.S.

Note *4 : Power F.S. = Vrange F.S. x Irange F.S.

Note *5 : Operating temperature range is 0 °C to 40 °C, All specifications apply for 25 °C±5 °C, Except as noted

Input AC Power : 100 Vac to 230 Vac ± 10 %, 50/60 Hz

Cooling : Advanced Fan Cooled

All specifications are subject to change without notice.

