

S M A R T E N E R G Y L I G H T S U P T H E G R E E N E A R T H



PotisPCS-30~105K-1000/400E-A01E



This picture shows iPotisEdge standard products. Actual products may vary due to customization.



VIP Customization



Module Assembly



Efficient and Flexible



Intelligent Stability



Comprehensive After-sales Service

iPotisEdge Co.,Ltd.

The technical parameters of 30KW-105KW Power Control System are shown in the following table:

Technical data and specifications					
Specification (KW)	PotisPCS-30K	PotisPCS-50K	PotisPCS-63K -1000/400E-A02E	PotisPCS-80K -1000/400E-A02E	PotisPCS-105K -1000/400E-A02E
	-1000/400	-1000/400			PotisPCS-105K
	E-A02E	E-A02E			-1000/400E-A02E-F
DC side					
DC voltage range (V)	615~950Vdc（3W3L）/650~950Vdc（3W4L）				
Number of input channels	1				
Maximum current (A)	49	82	103	130	171
Peak short-circuit current(A)	4000				
Busbar capacitor discharge time	10min				
Battery type	Lithium Battery				
AC side (On-grid)					
Voltage range/rated voltage (V)	400V±10%				
Frequency range (Hz)	50/60±5 Adaptive				
Rated power (KW)	30	50	63	80	105
Maximum power (KW)	33	55	69	88	115
Rated current (A)	44	73	91	116	152
Max. Apparent Current（A）	48	80	101	128	167
Short circuit current (A)	177	177	177	177	177
Power Factor	0.99				
Power factor adjustment range	1 (ahead of) ~ 1 (behind)				
Current distortion rate (KW)	<3% (rated power)				
DC component	0.5%				
Overload capacity	110% long term				
Maximum discharge efficiency	98.2%				
AC side (Off-grid)					
Rated output voltage (V)	400				
AC voltage harmonics	<3% (linear load)				
Frequency (Hz)	50±5Hz				
AC output power (KW)	30	50	63	80	105
Equipment Protection					
With function	Battery anti-reverse connection, DC over current protection, AC over current protection, AC over voltage protection, surge protection, grid monitoring				
Dimension (W*D*H,mm)	484*590*233.5mm				484*620*256.5mm
Weight (kg)	38				50
Altitude	2000m				

Operating temperature	-30°C to 55°C (45°C derating use ; derating to 80% of total current at 55°C)
Storage temperature	-45°C~70°C
Humidity	Less than 95% RH, non-condensing
Cooling method	Intelligent air cooling
Type of converter	Non-Isolated
Protective class	I
Protection level	IP20
Communication Interface	CAN/RS485
Conformity to standards	GB/T 34120-2017 , GB/T 34133-2017 . EN 62477 ,EN IEC 61000,IEC 62109-1, IEC 62109-2 , AS/NZS 4777.2
Inverter Overvoltage Category For All Ports	AC OVCIII
Inverter Method Of Active Anti-Islanding	Active frequency shift for anti-islanding protection
Pollution degree classification	PD3
Overvoltage category for each port	II(DC),III(AC)
The decisive voltage class (DVC)	Auxiliary control circuit: DVC A AC power circuit: DVC C DC power circuit:DVC C
Country of origin	Made in China