



THREE PHASE AC COUPLER

**SOWAVE SERIES
8-12kW**


Description

Solenso AC Coupler (8kW-12kW) is a versatile solution compatible with three-phase systems, meeting the storage needs of existing SG series microinverter systems. This intelligent energy storage solution features a Grid Former function that activates the SG series microinverter in off-grid environments, increasing PV panel utilization. Support three-phase pure sine wave output. Its IP65 protection rating ensures waterproof and dustproof performance, ensuring reliable performance in a variety of environments.

Features



SMART CONTROL
Various storage modes can be chosen on Solenso Island support.




INTELLIGENT
Smart EMS/BMS



EXCELLENT SHORT-TERM OVERLOAD PERFORMANCE
Max. 6HP Overload Capacity for Peak Demands



THREE-PHASE DYNAMIC BALANCE
Maintain Three-Phase Current Balance Dynamically.



MAX. 260A
Max. Charge/Discharge Current 260A



GRID FORMER
Activate SG series microinverters in off-grid environment.

Technical Specifications

Model	SoWave-TL8	SoWave-TL10	SoWave-TL12
Grid Port			
Rated Output Power (VA)	8000	10000	12000
Rated Output Current per phase (Aac)	11.6	14.5	17.4
Rated Output Voltage (Vac)	230/400		
Current THD (%)	<3%		
Power Factor	0.999 (Adjustable from 0.8 overexcited to 0.8 underexcited)		
Load Motor Capacity	5HP	6HP	6HP
Rated Frequency (Hz)	50/60		
EPS Port			
Rated Output Power (VA)	8000	10000	12000
Rated Output Current per phase (Aac)	11.6	14.5	17.4
Rated Output Voltage (Vac)	230/400		
Current THD (%)	<3%		
Power Factor	0.999 (Adjustable from 0.8 overexcited to 0.8 underexcited)		
Load Motor Capacity	5HP	6HP	6HP
Rated Frequency (Hz)	50/60		
INT Port			
Max. Input Power (VA)	16000	20000	24000
Max. Input Current per phase (A)	23.2A	29A	35A
Max. Input Power Per Phase	5/5/6	6/7/7	8/8/8
Input Voltage Range	Phase voltage 170~280V, Line voltage 305~485V		
Battery			
Max.Charging/Discharging power (kW)	9.21	11.26	13.31
Max.Charging/Discharging current (A)	180	220	260
Rated Battery Voltage (V)	51.2		
Battery Volatge Range (Vdc)	44.8~56		
Battery Type	Li-ion / Lead-Acid / User Defined		
Efficiency			
Max. Efficiency (%)	97.5		
European Efficiency (%)	97.2	97.5	97.5
Protection			
Anti-Islanding Protection	Yes		
Over Current/Voltage Protection	Yes		
AC Short Circuit Protection	Yes		
Ground Fault Monitoring	Yes		
Insulation Resistance Protection	Yes		
General Data			
Dimensions (W*H*D, mm)	400*700*260mm		
Weight (kg)	39.2kg		
Enclosure Protect Level	IP65		
Operating Temperature Range (°C)	-25~60°C, >45°C Derate		
Relative Humidity (%)	0~100		
Cooling Method	Heat sink + intelligent fan cooling		
Communication			
Communication inter Interfaces	RS485/CAN/USB		
External Module (ptional)	Wi-Fi/GPRS		
Certification			
Certification	IEC62109-1,IEC62109-2		
EMC	EN61000-6-1,EN61000-6-3		
Rohs	Enable		