

EOPH SERIES

Model	EOPH65-3PH-4K	EOPH65-3PH-5K	EOPH65-3PH-6K	EOPH65-3PH-7K	EOPH65-3PH-8K	EOPH65-3PH-10K
Input data(PV)						
Max. recommended PV power (for module STC)(W)	6000	7500	9000	10500	12000	15000
Max. DC input voltage(V)	1000					
Start voltage(V)	120V					
MPPT voltage range(V)	120V-1000V/600V					
No. of MPPT trackers	13.5					
No. of PV strings per MPPT tracker	1					
Max. DC input current (A)	2					
Max. DC short-circuit current (A)	16.9					
Output data(AC)						
Rated AC output power and ups power(W)	4000	5000	6000	7000	8000	10000
Max. AC output power(VA)	4000	5000	6000	7000	8000	10000
Rated AC voltage (range)	230V/400V (310~476V)					
AC output frequency (range)	50Hz/60Hz (45Hz-55Hz/55Hz-65Hz)					
Max. output current(A)	6.1	7.6	9.1	10.6	12.	15.2
Adjustable power factor	0.8leading...0.8lagging					
THDi	<3%					
AC grid connection type	3W+N+PE					
Battery data (DC)						
Battery voltage range	100~550V					
Max charging and discharging current	25A					
Continuous charging and discharging power(W)	4000	5000	6000	7000	8000	10000
Type of battery	lithium/lead-acid					
Backup power(AC)						
Max. AC output power(W)	4000	5000	6000	7000	8000	10000
Max. AC apparent power(VA)	4000	5000	6000	7000	8000	10000
Max. output current(A)	6.1	7.6	9.1	10.6	12.	15.2
Rated AC output voltage	230V/400V					
Rated AC output frequency	50/60HZ					
THDv	<3%					
Switch time	<10ms					
Efficiency						
MAX. efficiency	97.6%	97.8%	98.0%	98.2%	98.2%	98.2%
European efficiency	97.0%	97.2%	97.3%	97.4%	97.4%	97.5%
European battery discharge efficiency	97.4%					
MPPT efficiency	99.9%					
Protection devices						
PV lightning protection	Yes					
DC polarity reversal protection	Yes					
AC/DC surge protection	Yes					
Leakage monitoring and protection	Yes					
AC short-circuit protection	Yes					
AC overvoltage protection	Yes					
AC overcurrent protection	Yes					
Anti-islanding protection	Yes					
Insulation resistance monitoring	Yes					
Others						
Dimensions (W / H / D)	538x452.8x198.6mm					
Weight	33kg					
Operating temperature range	-25 °C ~ +60 °C					
Nighttime power consumption	<13W					
Transformer type	Transformerless+TNPC					
Cooling	Natural					
Protection degree	IP65					
Relative humidity	0~100%					
Relative altitude	3000m					
DC connection	H4 / MC4 (Optional)					
AC connection	Connector					
Display	LCD+LED					
Interfaces: RS485/CAN/USB	Yes					
Monitor mode	WIFI, APP					
Bluetooth communication : RF/WIFI/GPRS	Optional					
Noise figure(dB)	<45dB					
BMS communication port	RS485/CAN					