



# High Voltage Three Phase Hybrid Inverter

4.0KW/5.0KW/6.0KW/8.0KW/10.0KW/12.0KW



Big lcd display



Three phase unbalanced output



Power export limit



Wifi/GPRS/Lan communication optional



### Simpler

Quick and easy single person installation  
Fault codes warning view on LCD display  
smart meter optional



### Safer

comply with international quality standards  
tested by TÜV, BV, Dekra etc.



### Great reliability

IP65 ingress protection  
10+years R&D accumulation and support

ANYTIME, ANYWHERE

## REMOTE MONITORING PLATFORM

Monitor system performance in  
real-time via smartphone app or  
web portal using our advanced  
monitoring platform .



EPH Series Three Phase



# THREE PHASE HYBRID INVERTER

PV Inverter Expert

## Technology Data

Model No	Hy4K	Hy5K	Hy6K	Hy8K	Hy10K	Hy12K
<b>Input ( DC)</b>						
Max DC power	6000W	7500W	9000W	12000W	15000W	15000W
Max DC voltage	1000Vd.c.					
MPPT voltage range	200...850Vd.c.					
Max input current/per string	13Ax2					
Number of MPP trackers	2					
Number of input string	2					
<b>Battery Input</b>						
Battery Type	Li-Lon					
Battery voltage range	180-700V					
Maximum charge/discharge current	25/25A					
Charge strategy for Li-tou Battery	Self-adaptation to BMS					
<b>Output (AC)</b>						
AC nominal power	4000VA	5000VA	6000VA	8000VA	10000VA	12000VA
Max AC apparent power	5000VA	5500VA	7000VA	8800VA	11000VA	13200VA
Max output current	8A	10A	12A	15A	17A	20A
Nominal AC output	50/60Hz; 400/350					
AC output range	45/55Hz;280~490Vac(Adj)					
Power factor	0.8leading...0.8laging					
Harmonics factor	<3%					
Grid type	3W/N/PE					
Three-phase unbalance output	0~100%	0~100%	0~100%	0~100%	0~100%	0~80%
<b>AC Output (Back-up)</b>						
Max AC apparent power	4000VA	5000VA	6000VA	8000VA	10000VA	10000VA
Norminal Output Voltage	400/380V					
Norminal Output Freqency	50/60HZ					
Output THDV (@Liuear Load)	<3%					
<b>Efficiency</b>						
Maximum conversion efficiency	98.0%	98.0%	98.2%	98.2%	98.2%	98.2%
European efficiency	97.3%	97.3%	97.5%	97.5%	97.5%	97.5%
Max battery to AC Efficiency	97.2%	97.2%	97.4%	97.4%	97.4%	97.4%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
<b>Safety and Protection</b>						
DC reverse-polarity protection	yes					
DC breaker	yes					
DC/AC SPD	yes					
Leakage current protection	yes					
Insulation Impedance Detection	yes					
Residual Current protection	yes					
Output short circuit protection	yes					
Battery reerse connection protection	yes					
<b>General Parameters</b>						
Dimension (W/H/D)	548*444*184mm					
Weight	27 kg					
Operating temperature range °C	-25°C...+60 °C					
Degree of protection	IP65					
Cooling concept	Natural convection					
Topology	Transformerless					
Display	LCD					
Humidity	0-95%,no condensation					
Communication	Standard WiFi;GPRS/LAN(optional)					
Warranty	Standard 5 years; 7/10 years optional					
BMS communication	CAN/RS485					
Meter communication	RS485					
<b>Certificates and Approvals</b>						
CQC, VDE-AR-N4105,IEC61727, IEC62116, VDE0124-AR-N0124, EN50549, IEC62109, IEC62477						

