



# Drei Phasen Hybrid Inverter



Laderegler und  
Inverter integriert



Verschiedene  
Arbeitsmodi  
programmierbar



Eingebaute  
Licht- und  
Alarmfunktion



Drei Phasen Last  
unsymmetrischer



IP65  
Schutzklasse für



Fernüberwachung,  
App

# Three Phase Hybrid Inverter

## Technical Data

EPH Series EPH10KTL(4KW/5KW6KW/8KW/10KW/12KW)



Model	EPH4KTL	EPH5KTL	EPH6KTL	EPH8KTL	EPH10KTL	EPH12KTL
<b>Input (DC)</b>						
Max DC power	5500W	6500W	7500W	9500W	11500W	13200W
Max DC voltage	1000 Vd.c.					
MPPT voltage range	200...850 Vd.c.					
Max input current/per string	13Ax2					
Number of MPPT trackers	2					
Number of input string	1					
<b>Battery Input</b>						
Battery Type	LiIon					
Battery voltage range	180-600V					
Maximum charge/dis charge current	25/25A					
Charge strategy for Litou Battery	Seffadaption to BMS					
<b>Output (AC)</b>						
AC nominal power	4000W	5000W	6000W	8000W	10000W	12000W
Max AC apparent power	5000VA	5500VA	7000VA	8800VA	11000VA	13200VA
Max output current	8A	10A	12A	15A	17A	20A
Nominal AC output	50/60 Hz ; 400/350					
AC output range	45/55 Hz ; 280~490 Vac (Adj)					
Power factor	0.8 leading ...0.8 laging					
Harmonics	<3%					
Grid type	3W/N/PE					
Threephase unbalance output	100% 80%					
<b>AC Output Back-up</b>						
Max AC apparent power	4000VA	5000VA	6000VA	8000VA	10000VA	12000VA
Norminal Output Voltage	400/380V					
Norminal Output Frequency	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%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
<b>Safety and protection</b>						
DC reversepolarity 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>						
Dimensions(W/H/D)	480/400/180mm					
Weight	22kg					
Operating temperature range	-25 °C ... +60 °C					
Degree of protect on	IP65					
Cooling concept	Natural convection					
Topology	Transformerless					
Display	LCD					
Humidity	0-95%,no condensation					
Communcation BMS	GPRS/WIFI(Optional)					
communication	CAN/RS485					
Meter communication	R485					
Warranty:5/10/20years	Yes/Opt./Opt.					
<b>Certificates and Approvals</b>						
CQC,VDE-AR-N4105,VDE0126-1-1,AS4777,IEC61727,IEC62116						



# Lithium Tower

## Eigenschaften und Vorteile

- Maximale Sicherheitsleistung mit LFP-Technologien
- Eingebauter Aluminiumkühlkörper für optionales Wärmemanagement
- Kompaktes Design mit flexiblen Größenoptionen
- IP54-Schutz für den Innen- und Außenbereich
- Kompatibel mit führenden Inverter Marken
- Schwarzstartfunktion vorhanden, schnelle Installation

## SPECIFICATION

Model	Tower T7	Tower T10	Tower T14	Tower T17	Tower T21
Usable Energy	7.10KWh	10.66KWh	14.20KWh	17.76KWh	21.31KWh
Nominal Capacity	37Ah	37Ah	37Ah	37Ah	37Ah
Nominal Voltage	192V	288V	384V	480V	576V
Maximum Continuous Discharge Power <sup>[2]</sup>	4.26KW	6.39KW	8.52KW	10.65KW	12.78KW
Maximum Continuous Charge Power <sup>[2]</sup>	4.26KW	6.39KW	8.52KW	10.65KW	12.78KW
Net Weight	105Kg	146Kg	187Kg	228Kg	269Kg
Dimension[W*D*H]	700*504*380mm	900*504*380mm	1100*504*380mm	1300*504*380mm	1500*504*380mm
Protection Level	IP54	IP54	IP54	IP54	IP54
Calendar Life <sup>[1]</sup>	6000 Cycles	6000 Cycles	6000 Cycles	6000 Cycles	6000 Cycles
Charging Temperature Range	0~50°C	0~50°C	0~50°C	0~50°C	0~50°C
Discharging Temperature Range	-10~50°C	-10~50°C	-10~50°C	-10~50°C	-10~50°C
Internal Battery Module	HV9637	HV9637	HV9637	HV9637	HV9637
Module Connection	series	series	series	series	series
Module Number	2	3	4	5	6
Communication	CAN	CAN	CAN	CAN	CAN
Warranty	10 Years	10 Years	10 Years	10 Years	10 Years
Compatible Inverter	Goodwe, Luxpower, more brands are under testing				
Certification	TUV/CE/IEC62619/IEC62040/UN38.3/CEC Accredited/UL1973				

[1] Test conditions: 0.2C Charging/Discharging, @25°C, 80% Dod

[2] Maximum Continuous Discharge/Charge Power when communicate with inverter is 0.6C