

Storage+

SINGLE PHASE AC COUPLE
3-6K

HYPONTECH

HYPON.COM
© HYPONTECH SOLAR ENERGIZING FUTURE

HDS



Aluminum Alloy
Die Casting



MES + FCT + CRM
Infrastructure



Easy to
Install and Service



Energy
Management

BATTERY INPUT DATA

Battery Type	Li-ion			
Battery Voltage Range / V	80~480			
Start Up Voltage / V	70			
Max. Charging/Discharging Current / A	25/25			
Charging Strategy for Li-Ion Battery	Auto-adaption to BMS			

OUTPUT (AC TO GRID)

Rated Power to grid / W	3000	3680	5000	6000
Max. Apparent AC Power to grid / VA	3300	3680	5000	6000
Max. Apparent AC Power from grid / VA	6600	7360	8500	10000
Rated Grid Voltage / Vac	220/230/240			
Grid Connection	L-N-PE			
Rated Power Frequency / Hz	50/60			
Max. Output Current to grid / A	15	16	23	27.3
Max. AC Current from grid / A	20	32	36	40
Power Factor	0.8ind to 0.8cap			
THDi @ Rated Power	<3%			

OUTPUT (AC TO LOADS)

Max. Apparent Output Power / VA	3300	3680	5000	6000
Peak Apparent Output Power @60° / VA	3960	4416	6000	7200
Rated Power Frequency / Hz	50/60			
Max. Output Current / A	15	16	23	27.3
Automatic Switch Time / ms	<10			
Nominal Output Voltage / V	230 (±2%)			
Nominal Output Frequency / Hz	50/60 (±0.2%)			
THDv @ Linear Load	<3%			

GENERAL DATA

Dimensions (W*H*D) / mm	425*351*160
Weight / kg	12
Noise Emission (Typical) / dB(A)	<25
User Interface	LED&LCD
Battery Connection Type	SUNCLIX
AC Connection Type	Plug-in Connector
Communication with Cloud	WiFi/4G (optional)
Communication with BMS	CAN, RS485
Communication with Power Meter	RS485
Cooling Method	Natural Cooling
Operating Ambient Temperature / C°	-25 ~ +60
Relative Humidity	0% to 100%
Max. Operating Altitude / m	3000 (>3000 Derating)
Protection Class (IEC 60529)	IP65
Climatic Category (IEC 60721-3-4)	4K4H
Topology	Transformerless
Night Consumption / W	<5

EFFICIENCY

Battery Charge/Discharge From/To AC Max. Efficiency	97.0%
---	--------------

PROTECTION FUNCTION

Anti-Islanding	Integrated
Insulation Resistance Detection	Integrated
Residual Current Monitoring	Integrated
Output Over Current Protection	Integrated
Output Short Circuit Protection	Integrated
Over Voltage Protection	III (AC)
Surge Protection	AC: Type II