

**Datasheet of Hiconics HEC-S hybrid inverter**

Model	HEC-S 3K	HEC-S 5K
PV terminal		
Vmax. PV	580Vd.c.	
Rate Voltage	400Vd.c.	
MPPT Voltage Range	80~560Vd.c.	
MPPT Voltage Range (full load)	165 ~ 520Vd.c.	210 ~ 520Vd.c.
Min. Operating Voltage Range	80~520Vd.c	80~520Vd.c
Startup Voltage	130Vd.c.	130Vd.c.
MPPT Tracker number	2	
Max. continuous PV input current pertracker	15Ad.c.	
Isc PV per tracker	18Ad.c.	
Max. continuous PV input power	4800W	6500W
Battery terminal		
Battery type	Lithium battery	
Voltage range	40~60Vd.c.	
Rated voltage	48Vd.c.	
Maximum charge/discharge current	50Ad.c./80Ad.c.	100Ad.c./100Ad.c.
Maximum charge/discharge power	3000W/4000W	4600W/5000W
Compatible Battery type	Lithium battery/Lead-acid	
Grid terminal parameter		
Rated voltage	230Va.c.	
Rated frequency	50Hz	
Rated input current	31Aa.c.	
Maximum continuous input current	32Aa.c.	
Maximum continuous input power	7360VA	
Rated output current	16Aa.c.	22Aa.c.
Maximum continuous output current	16Aa.c.	22Aa.c.
Power factor (Cos phi), adjustable	0.8 leading~0.8 lagging	

**Hiconics Eco-energy Drive Technology Co., Ltd.**

Add: No.3 Boxing 2<sup>nd</sup> Rd., Economic Technology Development Zone,  
 Beijing 100176, P. R. China. TEL: +86-10-59180185 Fax: +86-10-59180035



Rated apparent power	3680VA	4999VA
Maximum continuous output power	3680W/VA	5000W/VA
Back up load terminal parameter		
Rated voltage	230Va.c.	
Rated frequency	50Hz	
Rated output current	16Aa.c.	22Aa.c.
Maximum continuous output current	16Aa.c.	22Aa.c.
Rated apparent power	3680VA	4600VA
Rated continuous output power	3680W	4600W
Maximum output power	4000W/VA	5000W/VA
Power factor (Cos phi), adjustable	0.8 leading~0.8 lagging	
General parameter		
Temperature	-25°C to +60°C, derating above 45 °C	
Protective class	Class I	
Overvoltage Category	II(DC side), III(AC side)	
Max. PV Efficiency	97.6%	
Euro. PV Efficiency	97.0%	
Ingress protection	IP65	
Country of manufacture	China	
Altitude	≤ 2000m	