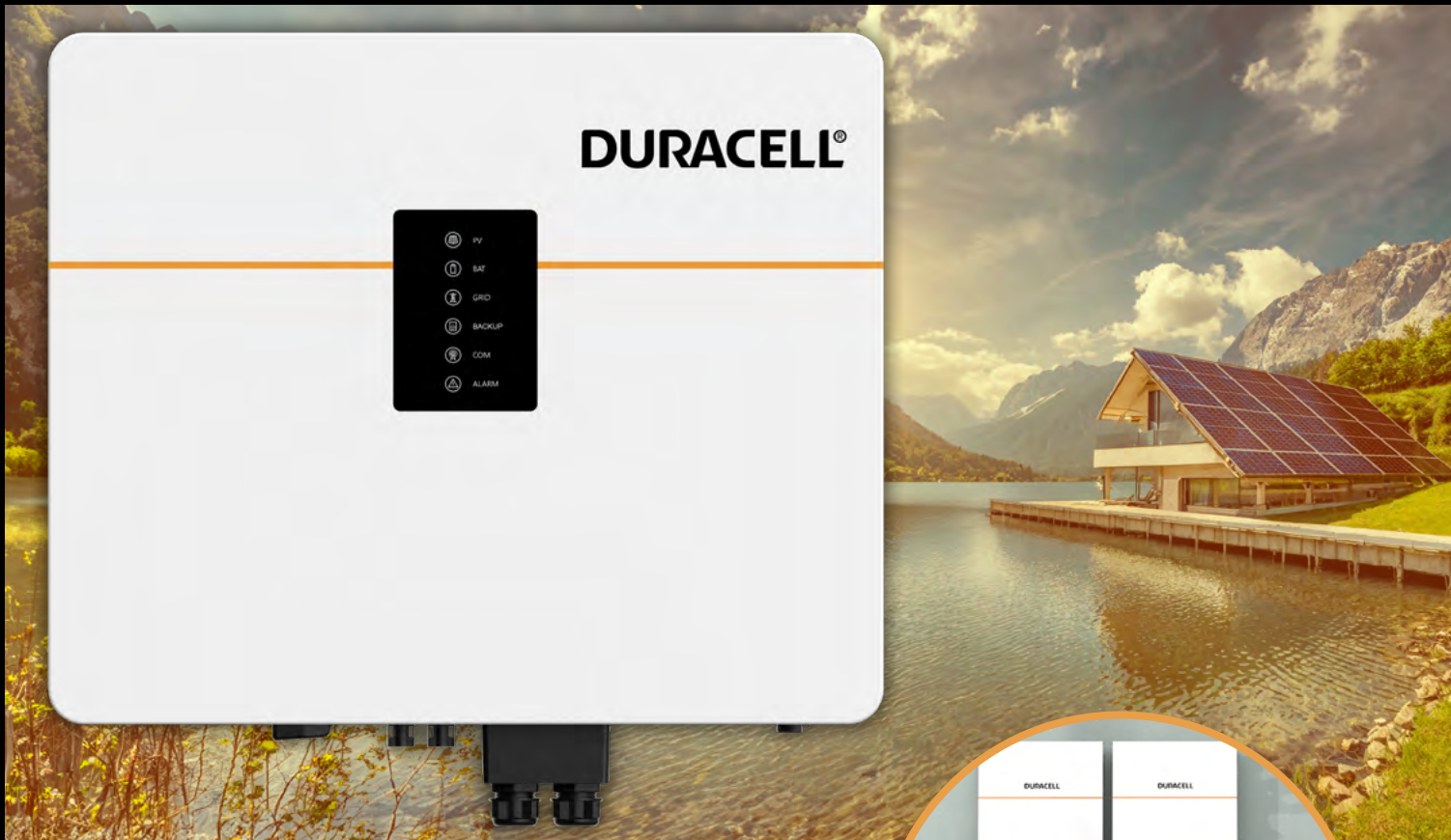


Dura-i Inverter








**Dura5 battery
compatible with Dura-i**



Dura-i Inverter

**Model Nos. PD-DH1P-3.6K-G1
PD-DH1P-4.6K-G1
PD-DH1P-6K-G1**

Key Inverter Features

-  Hybrid & Connects as AC
-  9KWp of PV
-  Integrated Energy Meter
-  Modular - connect up to 6 inverters in parallel
-  Dura5 Battery compatible

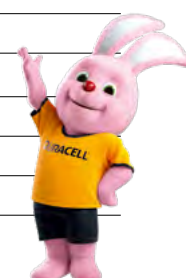
Dura-i Inverter - Technical Specification

Product		Dura-i Inverter		
Model No.	PD-DH1P-3.6K-G1	PD-DH1P-4.6K-G1	PD-DH1P-6K-G1	
Efficiency				
Max. efficiency (PV to AC)	97.30%			
Eur. Efficiency (PV to AC)	96.8%			
Max. efficiency (BAT to AC)	94.30%			
Input (PV)				
Max. PV power (W)	9000W			
Max. PV voltage (V)	550V			
Max. input current (input A/input B) (A)	15A/15A			
Max. short current (input A/input B) (A)	20A/20A			
Start operating voltage (V)	90V			
MPPT voltage range @full load (V)	70-540V			
No. of MPPT	2			
String per MPPT	1			
Input (BAT)				
Compatible battery type	Lithium-ion			
Nominal battery voltage	48V			
Battery voltage range	40V-65V			
Max. charge/discharge current (A)	60A/60A	120A/120A	120A/120A	
Max. charge/discharge power (W)	3,000W/3,000W	5,000W/5,000W	6,000W/6,000W	
Lithium battery charge curve	Self-adaption to BMS			
Output (Grid)				
Nominal AC output power (W)	3,600W	4,600W	6,000W	
Max. AC output apparent power (VA)	3,960VA	4,600VA	6,000VA	
Max. AC output power (PF=1) (W)	3,960W	4,600W	6,000W	
Max. AC Output current (A)	18A	22A	27.2A	
Rated AC voltage (V)	230V			
AC voltage range (V)	150-300V (adjustable)			
Rated grid frequency (Hz)	50/60			
AC frequency range (Hz)	45-55 / 55-65 (adjustable)			
Grid connection	Single phase			
Power factor	0.99 @rated power (adjustable 0.8 LG - 0.8 LD)			
THDI	<3%			
Output (Back up)				
Nominal output voltage (V)	230V			
Nominal output frequency (Hz)	50/60Hz			
Nominal output power (W)	3000W	4600W	6000W	
Nominal output current (A)	13.1A	20A	26.1A	
Transfer Time (ms)	10ms (typ) / 20ms (max)			
THDV	<3% @100% R Load			

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Dura-i Inverter - Technical Specification

Product	Dura-i Inverter		
Model no.	PD-DH1P-3.6K-G1	PD-DH1P-4.6K-G1	PD-DH1P-6K-G1
Protection			
Protection category	Class I		
DC switch	Yes		
Anti-islanding protection	Yes		
AC overcurrent protection	Yes		
DC/AC overvoltage protection	Yes		
AC short circuit protection	Yes		
DC reverse protection	Yes		
Surge arrester	DC Type III, AC Type III		
Insulation detection	Yes		
Leakage current protection	Yes		
PV overvoltage category	II		
AC overvoltage category	III		
General			
Max. operation altitude (m)	4000m		
Noise emission (DB)	<35		
Ingress protection degree	IP65		
Operating temperature range (°C)	-25°~60°		
Relative humidity (%)	0~100%		
Cooling concept	Natural Cooling		
Mounting	Wall bracket		
Dimensions (mm, W x H x D)	585 x 485 x 175mm		
Weight (kg)	25kg		
PV connection type	MC4/H4		
Battery connection type	Dedicated DC connector		
AC connection type	Dedicated AC connector		
HMI & COM			
Display	LED + APP		
Communication Interface	RS485/CAN (for BMS), RS485, USB, Ethernet, DRM/RS485 for meter, Optional: WiFi/GPRS		
Monitoring			
Monitoring	APP (OS/Android)		
Certification			
Grid safety	IEC62109-1/-2, EN/IEC 61000-6-1/-2/-3/-4, G98/G99		
EMC	IEC61000-6-2/3		
Warranty (years)	5 years standard, 10 years optional		

