



BD 3-6kW-RL1

Energy Storage Solar Inverter



Lead-acid/
lithium
battery



Battery reverse
protection



IP65



Zero export
function
(integrated)



Natural cooling,
low noise



Charge/discharge
protection



Smart energy
management

	BD3KTL-RL1	BD3K6TL-RL1	BD4KTL-RL1	BD4K6TL-RL1	BD5KTL-RL1	BD6KTL-RL1
DC input						
Max. Input Power (W)	4600		6000		7000	
Start-up voltage (V)	125					
Max. PV voltage (V)	550					
MPPT range/nominal (V)	125-550 /360					
Max. input current (A)	14/14					
MPPT tracker/strings	2/1					
AC output						
Rated power (VA/W)	3000/3000	3600/3600	4000/4000	4600/4600	5000/5000	6000/6000
Max. output current (A)	13	16	17.4	20	21.7	26
Nominal voltage/range (V/Vac)	230V /180Vac~280Vac					
Frequency (Hz)	50 /60					
Power factor	1(0.8lagging-0.8leading)					
THDI	<3% (at rated power)					
AC output topology	L+N+PE					
Battery						
Battery voltage range (V)	42~59					
Max. charging voltage (V)	58					
Charge/discharge current (A)	95/62.5	95/76.6	95/83.3	95/95.8	95/110	95/110
Battery type (W)	lithium /Lead-acid					
Communication interface (W)	CAN/RS485					
EPS output						
Rated power (VA/W)	3000/3000	3600/3600	4000/4000	4600/4600	5000/5000	6000/6000
Rated voltage (Vac)	230					
Rated current (A)	13	16	17.4	20	21.7	26
Rated frequency (Hz)	50 /60					
Automatic swieching time (ms)	<20					
THDU (W)	<2%					
General data						
Battery charge/discharge efficiency	95.5%/95%					
DC max. efficiency	97.6%					
Euro efficiency	97%					
MPPT efficiency	99.9%					
Protection class	IP65					
Noise emission (dB)	<35					
Operation temperature(°C)	-25~+60					
Cooling	Natural					
Relative humidity (W)	0~95% (non-condensation)					
Altitude (m)	2000					
Dimensions (WxDxHmm)	550X200X515					
Weight (kg)	25					
Inverter topology	Without transformerless					
Self-consumption (W)	<3					
Features						
Display (W)	LCD					
Interface:RS485/WIFI/LAN /CAN/DRM	yes /optional/optional/yes/yes					
Certificates (W)	CE、TUV					



BD 5-11kW-H1

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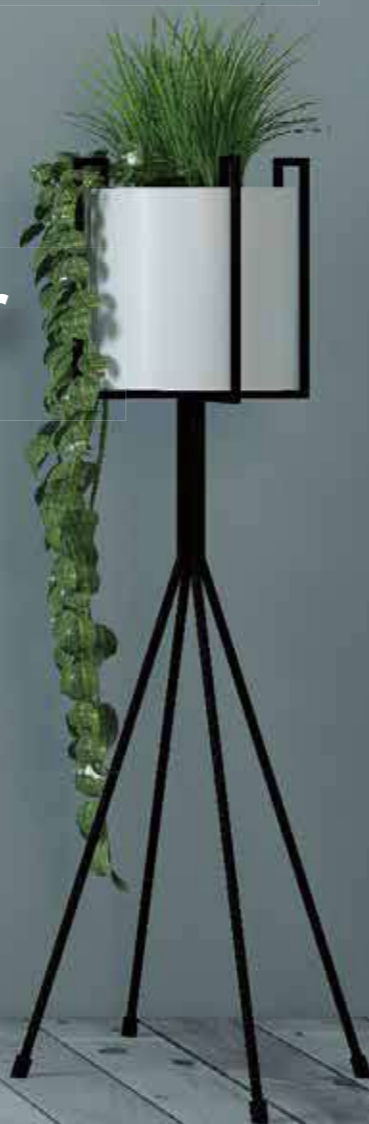
Natural cooling,
low noise



Charge/discharge
protection



Smart energy
management



	BD5KTL-H1	BD6KTL-H1	BD7K6TL-H1	BD9KTL-H1	BD10KTL-H1	BD11K4TL-H1
DC input						
Max. Input Power (KW)	6.5	8.5	10	11.7	13	14.82
Start-up voltage (V)	150					
Max. PV voltage (V)	550					
MPPT range/nominal (V)	150-550/360					
Max. input current (A)	14					
MPPT tracker/strings	2/1			4/1		
AC output						
Rated power (KVA)	5	6	7.6	9	10	11.4
Max. output current (A)	21.7	26	33	39.2	43.5	49.5
Nominal voltage/range (V/Vac)	230/176~270					
Frequency (Hz)	50 /60					
Power factor	1(0.8lagging-0.8leading)					
THDI	<3% (at rated power)					
AC output topology	L+N+PE					
Battery						
Battery voltage range (V)	96~336	96~336	96V~336V	150V~336V	150V~336V	150V~336V
Capacity Of Battery (kWh)	6.6~66					
Charge/discharge current (A)	80/80	80/80	80/80	62.5/62.5	69.5/69.5	79/79
Battery type	lithium /Lead-acid					
Communication interface	CAN/RS485					
Eps output						
Rated power (KVA)	5	6	7.6	9	10	11.4
Max. Output Power(kVA/s)	6.25/60 7.5/1	7.5/60s 9/1S	9.5/60 11.4/1	11.25/60 13.5/1	12.5/60 15/1	14.25/60 17.1/1
Rated voltage (Vac)	230					
Rated current (A)	21.7	26	33	39.2A	43.5	49.5
Rated frequency (Hz)	50 /60					
Automatic swieching time (ms)	<20					
THDU	<2%					
General data						
Battery charge/discharge efficiency	96.5%/96%					
DC max. efficiency	98.2%					
Euro efficiency	97.2%					
MPPT efficiency	99%					
Protection class	IP65					
Noise emission (dB)	<35					
Operation temperature (°C)	-25~+60					
Cooling	Natural					
Relative humidity	0 ~95% (non-condensation)					
Altitude (m)	2000					
Dimensions (WxDxHmm)	550X200X515			530X200X660		
Weight (kg)	26			32		
Inverter topology	Without transformerless					
Self-consumption (W)	<3					
Features						
Display	LCD					
Interface:RS485/WIFI/CAN/DRM	yes /optional/optional/yes/yes					
Certificates	CE、TUV					