

Low-voltage
Single Phase Hybrid Inverter

PowerTrans LV

3/3.68/4/4.6/5/6/8 kW



Key Features



Friendly and Flexible

Support multi-machine parallel connection.
Compatible with a variety of battery connections such as lead-acid and lithium-ion batteries.



Economical and Efficient

Maximum efficiency $\geq 98\%$. Small size, saving installation space.



Quick Switch

Swift switching in under 10ms, akin to UPS-level performance.



Convenient operation

One-button switch, Touch LCD Screen



Intelligent Management

App-based Monitoring and Analysis, Remote Diagnosis, and OTA Updates

IP65

Waterproof

Boasts an IP65 protection rating, ensuring water and dust resistance for reliable performance in various environments.

■ Main Parameters

Model		PTL 3K-EU	PTL 3.68K-EU	PTL 4K-EU	PTL 4.6K-EU	PTL 5K-EU	PTL 6K-EU	PTL 8K-EU	
PV Input Data	Max. Input power (kW)	4.5	5.4	6	6.9	7.5	9	12	
	Start-up voltage (V)	100							
	Max. PV input voltage(V)	550							
	MPPT range/nominal (V)	80~500/360							
	Max.input current of single MPPT(A)	16/16	16/16	16/16	16/16	16/16	16/16	16/32	
	MPPT tracker quantity	2	2	2	2	2	2	2	
	MPPT quantity/ The number of input strings supported by each mppt	1/1	1/1	1/1	1/1	1/1	1/1	1/2	
AC Output Data	Rated power (kW)	3	3.68	4	4.6	5	6	8	
	Rated AC current output to grid (A)	13	16	17.4	20	21.7	26	35	
	Nominal voltage/range(V)	230/176~270							
	Frequency (Hz)	50/60							
	Power factor	1(0.8 leading-0.8 lagging)							
	THDi	<3%							
	AC grid type	L+N+PE							
Battery Data	Battery voltage range(V)	60/60	72/72	80/80	40~58	100/100	120/120	160/160	
	Max. charging voltage(V)	58							
	Max. charge/discharge current(A)	92/92							
	Battery type	Lithium /Lead-acid							
	Communication interface	CAN							
EPS Output Data	Rated power (kW)	3.68	3.6	4	4.6	5	6	8	
	Rated voltage(V)	230							
	Rated AC current output to grid (A)	13	16	17.4	20	21.7	26	35	
	Rated frequency(Hz)	50/60							
	Automatic switchover time(ms)	<10							
	THDu	<2%							
	Overload capacity	100%, 60s/120%, 30s/150%, 10s							
General Data	Battery Charge/Discharge Efficiency	96%							
	Max. Efficiency	98%							
	Europe Efficiency	97%							
	Mppt Efficiency	99.9%							
	Ingress Protection	IP65							
	Noise Emission (dB)	<35							
	Operation Temperature (*c)	-25~60							
	Cooling	Natural							
	Relative Humidity	0~95% (non-condensing)							
	Operating Altitude	0-2000m (no derating below 2000m)							
	Dimensions(W*D*H)					454.5*200*467mm 8*7.8*18.3in		467*200*484mm 18.3*7.8*19in	
	Weight					18kg / 40lb		20kg / 44lb	
	Topology	Non-isolated							
	Self-consumption At Night (W)	<20							
Display& Communication	Display	Optional (colorful touch screen /no screen)							
	Interface	RS485/Wifi/4G/CAN/DRM							
Certifications	Certifications	EMC, EN50549-1, IEC 62109-1/IEC 62109-2, EN62109-1/EN62109-2, CE, NRS, G99							