

Ficha Técnica del Inversor

ABB central inverters

PVS800

100 to 1000 kW



Technical data and types

Type designation	-0100kW-A	-0250kW-A	-0315kW-B	-0500kW-A	-0630kW-B	-0875kW-B	-1000kW-C
PVS800-57	100 kW	250 kW	315 kW	500 kW	630 kW	875 kW	1000 kW
Input (DC)							
Maximum input power ($P_{PV, max}$) ¹⁾	120 kWp	300 kWp	378 kWp	600 kWp	756 kWp	1050 kWp	1200 kWp
DC voltage range, mpp ($U_{DC, mpp}$)	450 to 825 V	450 to 825 V	525 to 825 V	450 to 825 V	525 to 825 V	525 to 825 V	600 to 850 V
Maximum DC voltage ($U_{max(DC)}$)	1000 V	1000 V	1000 V	1000 V	1000 V	1100 V	1100 V
Maximum DC current ($I_{max(DC)}$)	245 A	600 A	615 A	1145 A	1230 A	1710 A	1710 A
Number of protected DC inputs	1 (+/-) / 4 2)	2, 4, 8 (+/-)	2, 4, 8 (+/-)	4, 8, 12 (+/-)	4, 8, 12 (+/-)	8, 12, 16 (+/-)	8, 12, 16 (+/-)
Output (AC)							
Nominal power ($P_{N(AC)}$) ³⁾	100 kW	250 kW	315 kW	500 kW	630 kW	875 kW	1000 kW
Maximum output power ⁴⁾	100 kW	250 kW	345 kW	500 kW	700 kW	1050 kW	1200 kW
Power at $\cos\phi = 0.95$ ³⁾	96 kW	240 kW	300 kW	475 kW	600 kW	830 kW	950 kW
Nominal AC current ($I_{N(AC)}$)	195 A	485 A	520 A	965 A	1040 A	1445 A	1445 A
Nominal output voltage ($U_{N(AC)}$) ⁵⁾	300 V	300 V	350 V	300 V	350 V	350 V	400 V
Output frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Harmonic distortion, current ⁶⁾	< 3%	< 3%	< 3%	< 3%	< 3%	< 3%	< 3%
Distribution network type ⁷⁾	TN and IT	TN and IT	TN and IT	TN and IT	TN and IT	TN and IT	TN and IT
Efficiency							
Maximum ⁸⁾	98.0%	98.0%	98.6%	98.6%	98.6%	98.7%	98.8%
Euro-eta ⁸⁾	97.5%	97.6%	98.3%	98.2%	98.4%	98.5%	98.6%
Power consumption							
Own consumption in operation	310 W	310 W	310 W	520 W	520 W	630 W	630 W
Standby operation consumption	60 W	60 W	60 W	70 W	70 W	45 W	45 W
External auxiliary voltage ⁹⁾	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz
Dimensions and weight							
Width/Height/Depth, mm (W/H/D)	1030/2130/646	1830/2130/646	1830/2130/646	2630/2130/646	2630/2130/646	3630/2130/646	3630/2130/646
Weight appr. ¹⁰⁾	550	1100	1100	1800	1800	2600	2600

