

PELD

Power Export Limiting Device

Autarco's Power Export Limiting Device (PELD) allows you to control the power output of up to ten inverters, 1-phase or 3-phase, based on your real time grid exports. It constantly measures the grid power exports and compares it to a set maximum allowed export power, adjusting the output of the inverters constantly to make sure the set maximum is never breached.

- + 5-year warranty
- + Active power limitation and control at grid-connection point
- + Automatic control of loads for up to 10 inverters
- + WiFi, 4G or LAN Monitoring
- + Improve system's spontaneous use rate with a control accuracy up to 1%
- + Simultaneously access Autarco inverters of different powers
- + Monitor power generation and load consumption at all times



General characteristics

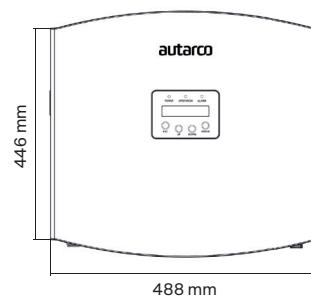
Mounting	Wall mounting
Mounting location	Indoor
Max. site altitude	2000 m
Display type	LCD
Inverter communication	RS485
Remote communication	Digital sticks: WiFi/LAN/4G
IP protection	IP65
Voltage supply	Grid
Safety / EMC Standards	CE, EN61000-3-2, EN61000-3-3, EN 61000-6-1, EN 61000-6-3, EN 61000-6-4, IEC 62109-1, IEC 62109-2, & more
Ambient temperature	-25°C to +60°C
Relative humidity range	5% ~95%
Pollution degree	PD2 (Inside), PD3 (Outside)
Overvoltage category	III

Features

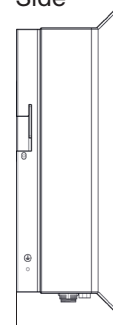
Failsafe function	Yes
Remote upgraded	Yes
Control time	5 s
Power Accuracy	1%Pn

S2.3P-PELD-MII for 3-phase systems

Front



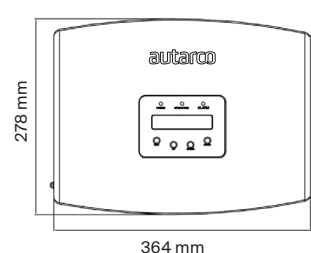
Side



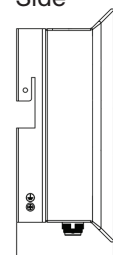
149 mm

S2.1P-PELD10-MII for 1-phase systems

Front



Side



114 mm

Variable characteristics

	S2.1P-PELD10-MII	S2.3P-PELD-MII
Dimensions (WxHxD)	364x276x114 mm	488x446x149 mm
Weight (kg)	2.1	5.4 (without CT)
Self consumption (W)	<6	<15
AC / CT Connection	Quick terminal / Plug (secondary 5A)	Quick terminal / Plug (secondary 5A)

Input characteristics

	S2.1P-PELD10-MII	S2.3P-PELD-MII
Rated voltage (V)	230 V , 1/N/PE	400 V, 3/N/PE (175 ~ 519 V)
Input voltage range (V)	L to N: 100~300	L-L: 175~456 V
Input frequency range (Hz)	45~65	45~65

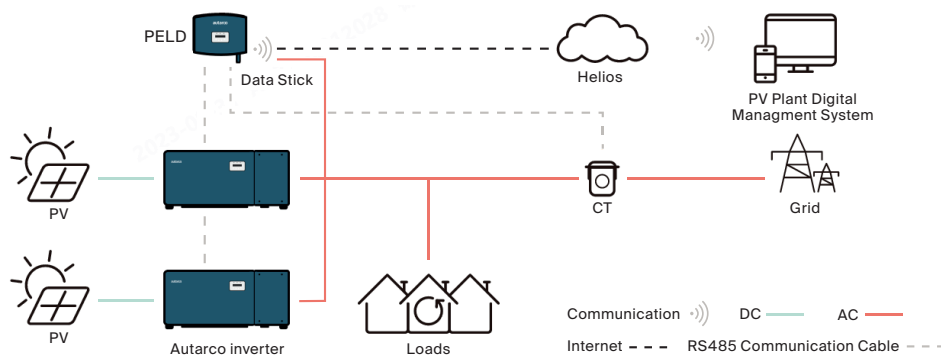
Communication

	S2.1P-PELD10-MII	S2.3P-PELD-MII
Inverter communication	Modbus	Modbus
Communication interface	2-pin RS485	2-pin RS485
Max. communication inverter numbers	10	10
Max. communication distance	1000 m	1000 m

CT specification

Specification	Dimensions (mm)			Hole size (mm)		Ratio
	W	H	D	a	e	
CT-60x40-300 A	114	140	36	42	62	300:5 A
CT-80x40-600 A	122	162	40	42	82	600:5 A
CT-80x40-1000 A	122	162	40	42	82	1000:5 A
CT-160x80-2000 A	184	254	52	82	162	2000:5 A
CT-160x80-3000 A	184	254	52	82	162	3000:5A

System connection overview



The specifications contained in this datasheet may deviate slightly from our actual products due to on-going product improvement and are subject to change at any time without prior notice.