

DATI DI PERFORMANCE

- **Operating voltage** — 228 - 456Vac (up to 800V on request)
- **Frequency** — 45Hz÷ 62Hz (auto)
- **Inverter type:** — Silicon Carbide Mosfet
- **Efficiency:** — 99%
- **Switching frequency** — 40kHz (average)
- **Response time:** — <50us
- **Power supply** — Three-phase, 3-wire or 4-wire
- **Rated neutral current** — 3In (4-wire type only)
- **Residual THD(I)** — < 5% (at full load)

TECHNICAL DATA

Power factor correction	inductive and capacitive correction
Unbalance compensation	phase-by-phase compensation of unbalanced loads
Harmonic current compensation	Up to the 50th harmonic (both odd and even order)
Communication protocol	RS485 port, RJ45; MODBUS RTU protocol, TCP/IP
Protections	Abnormal voltage/frequency; Inverter short-circuit; Abnormal output current; Inverter overload; Overtemperature
TA Report	150/5 ÷ 30.000/5 A
Degree of protection	IP20
Power losses	≤3%
Assembly	wall or cabinet
Operating temperature	-20 to 40°C (downgraded for temperature > 40°C).
Relative humidity	<95% without condensation formation
Storage temperature	-20 ÷ 70°C
Noise level	< 65 dB
Altitude	≤ 1,500m (from 1,500m to 4,000m, 1% downgrade per 100m)

QUALITY AND TESTING

Regulations EEE519, ER GS/4 and IEC 61000

Certifications CE

Testing 100% of equipment undergoes visual inspection, insulation testing: phase-to-phase and phase-to-ground, power testing and ventilation circuit checks

Code	Harmonic current mitigation up to (A)	Un (V)	Dimension a x b x h (mm)	Weight (kg)
778-054**	5	400	410x45x340	5
778-104**	10	400	410x45x340	5
778-154**	15	400	410x45x340	5
778-254**	25	400	500x470x88	20
778-354**	35	400	500x470x88	20
778-504**	50	400	500x470x88	20
778-604**	60	400	500*470*88	20
778-754**	75	400	500*470*88	20
778-1004**	100	400	500*520*88	25
778-1504**	150	400	500*520*100	30
778-3004**	300	400	500*646*220	60

** the code suffix depends on the characteristics (voltage, no. of wires, mounting,)

WALL CONFIGURATION

- 4,3" HMI Display for power from 25A
- Wifi APP for lower power

IN-PANEL CONFIGURATION

Rack modules in IP20 o IP54 enclosure
7" HMI display



