Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

MPD-T4-DPG-1000KW-SMDE-3PH-480Y.277-60HZ-110G

1000 kW/1250 kVA Portable Diesel Generator – 480Y/277V 3-phase 60 Hz, 110 Gallon Fuel Tank – Aluminum Enclosure/Skid Mount - W/ 1600A MTS - W/ 1600A Docking Station

Product ID: 317796

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MPD-T4-DPG-1000KW-SMDE-3PH-480Y.277-60HZ-110G Portable Generator w/ MTS and Docking Station

Generator Specifications:

Engine: Mitsubishi S12H-Y2PTAW-1
Standby Power: 1000 kW/1250 kVA
Prime Power: -
Voltage: 480Y/277V AC, 3-phase
Frequency: 60 Hz
Amps: 1505A @ 480V
Circuit Protection: 100%/125% Rated Circuit Breakers
Engine Displacement: 37.1L
Engine Type: 4-cycle, Liquid Cooled, Turbo
Engine Cylinder: 12
Engine Speed: 1800 RPM
Governor: Electronic
Fuel Consumption at 75% Load: 59.7 Gal/hr
Tank Capacity: 110 Gallons
Tank Type: -
Fuel Type: Diesel (ASTM N0. 2-D)
Combustion: Direct Injection
Load Insulation: Class H, 180C
Oil System: Full Pressure, (6) Oil Filter Cartridge
Cooling System: Air to Air, Charged Air Cooler w/ Self-sealing Coolant Pump
Alternator 24V/55A, Self Ventilating and Drip-proof
Controller: Deep Sea 7420MKII with Stop-Manual-Automatic Modes
Controller Measurements: Generator Status, Meter, Power and Fuel Levels
Controller Communication: Modbus-RTU/TCP RS484, RS232
Controller Safety: Low Oil Pressure, High Engine Temperature, Low Radiator Level, Alarms, Battery Fail, Engine Fail to Start, Overspeed, Underspeed, Over/Under Voltage
Enclosure Material: Aluminum with Powder Coated Finish, SS Hardware
Enclosure Doors: (6)
Enclosure Type: Weatherproof/Soundproof, Vented
Mount: Skid Mount with Skid Pockets and Lifting Eyes
Dimensions: 258"L x 121"H x 96"D
Weight: 25525 lbs

MTS Specifications:

Unit Type: Manual Non-Fused Transfer Switch
Line-In: N/A (customer provided)

Ratings/Approvals

ANSI C62.41, 27, 59, 32, 480, 40Q, 81U, 360-05
UL2200, UL1446, UL508, UL142, UL498
NFPA 110, 99, 70, 37
NEC 700, 701, 702, 708
NEMA ICS10, MG1, ICS6, AB1
Level 2 Enclosure Silencer
H Insulation Class
Fan Cooled

Line-In Cord Cap: N/A (customer provided)

Line-In Connections: Terminal Lugs, Accepts 750MCM-1/0

Line-In Orientation: Bottom Feed

Voltage (V): 480V AC Delta or Wye

Phase (PH): 3-Phase

Frequency (Hz): 60 Hz (60-Cycles)

Configuration: 3-pole, 3-wire

Protection Method: Non-Fused

Protection Type: -

Mains Rating (Amps): 1600A

Interrupting Rating: 200 kA @ 600V AC

Disconnect Means: Manual via Handle

Neutral Connection: Insulated Groundable Neutral Kit with Bonding Strap

Line-Out: N/A (customer provided)

Line-Out Cord Cap: N/A (customer provided)

Line-Out Connection: Terminal Lugs, Accepts 750MCM-1/0

Line-Out Orientation: Bottom Feed

Form Factor: Rectangular, Slim-profile Enclosure w/ Lockable Door

Door: (1) Left Hinged Door w/ Pad Lockable Handle

Enclosure Material: 11GA Sheet Steel

Enclosure Finish: ANSI 49 Grey

Enclosure Type: NEMA 1 Ventilated

Dimensions: 43"-W x 36"-D x 90"-H

Weight: 800 lb

Docking Station Specifications:

Unit Type: Generator Docking Station

Line-In: 400A Single-pole 16-Series Male Camlock Receptacles (1)grn, (4)wht, (4)blk, (4)red, (4)blu [600V]

Line-In Cord Cap: N/A (Customer Provided)

Primary Voltage (V): 480Y/277V AC Wye

Primary Phase (PH): 3-Phase

Frequency (Hz): 60 Hz (60-Cycles)

Primary Panel: 480Y/277V 3PH 1600A MCCB Panel N3R with Phase Rotation Monitor

Primary Breakers: N/A

Primary Outlets: (1) 1600A Terminal Lug NEMA Enclosure [208Y/120V]

Primary Protection: Weather-proof Flip Covers; Phase Rotation Monitor

Phase Rotation Outputs: 2 c/o (SPDT) Contacts

Phase Rotation Time Range: 500 ms Start-up Delay

Terminal Type: Screw Terminals

Phase Rotation Impulse Withstand Voltage Rating: Input Circuit - 6 kV, Output Circuit 4 kV

Protection Method: N/A

Protection Type: N/A

Mains Rating (Amps): 1600A

Form Factor: Rectangular, Slim-profile Enclosure w/ Lockable Door

Door: (1) Left Hinged Door w/ Pad Lockable Handle

Enclosure Material: 11GA Sheet Steel

Enclosure Finish: ANSI 49 Grey

Enclosure Type: NEMA 3R Ventilated

Dimensions: 99.37"-W x 51.65"-D x 68.15"-H

Weight: 7,473.67 lbs

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics MPD-T4-DPG-1000KW-SMDE-3PH-480Y.277-60HZ-110G Portable Generator With MTS and Docking Station is a diesel fuel type unit with a heavy-duty 1,800 rpm, 12-cylinder Mitsubishi S12H-Y2PTAW-1 engine. This fan cooled unit supports three-phase 480Y/277V AC 60 Hz power. A controller allows operators to monitor power usage and status in real-time.

Features: The MPD-T4-DPG-1000KW-SMDE-3PH-480Y.277-60HZ-110G is designed for large-scale portable power applications. On standby, the unit generates 1000 kW/1250 kVA during use. Compatible with three-phase 480Y/277V AC 60 Hz power, the 4-cycle liquid cooled engine generates 1528 bhp maximum power on standby. The 12-cylinder engine features an electronic governor. Fuel consumption is 59.7 gal/hr at 75% load. The fuel tank can hold up to 110 gallons of diesel fuel. Equipped with an electronic ignition system, a self-ventilating and drip-proof alternator supports this generator during operation.

For real-time monitoring, operators can utilize the generator's digital control system providing stop, automatic and manual modes. The controller has programmable contact input and outputs. Operators can expand communication with the the controller using RS232, RS484, USB and controller software. The following safety features are available on the controller: Low Oil Pressure, High Engine Temperature, Low Radiator Level, Alarms, Battery Fail, Engine Fail to Start, Overspeed, Underspeed and Over/Under Voltage.

The portable generator is protected by a weatherproof powder coated aluminum enclosure. The enclosure is equipped with a level 2 critical grade silencer, helping reduce operational noise in work areas. The ventilated enclosure features six doors for access to system components. Skid pockets and lifting eyes are available for transportation around jobsites.

Applications: This portable generator is suitable for use in remote locations, such as temporary camps, construction sites, military bases and areas without reliable access to the grid. It can be utilized to power a wide range of heavy-duty tools and equipment, including laptops, portable machines and mobile devices. The unit's robust power options offer flexibility in environments where access to reliable power sources is severely limited.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

Frequently Asked Questions (FAQ)