



MAGNUM
ENERGY



Renewable Energy Product & Parts Catalog



The Powerful Difference



The MPSL shown with a single inverter (sold separately) and an optional backplate.



The MPSL shown with two inverters (sold separately), an optional MPX extension to accommodate a second inverter, an optional dual backplate, and an optional router.

The MPSL – Magnum Panel, Single Enclosure, Low Capacity – is designed to accommodate a maximum of two inverters.

FEATURES

- **Expandable:** start with the enclosure and just one inverter and in the future expand to two inverters with ease, using the MPX.
- **Easy installation:** all connections are front-mounted, including AC and DC breakers and the MPX.
- **Labor saving:** panel is pre-wired for fast installation, saving labor costs.
- **DC load breakers:** fits either din rail or back-mount DC load breakers.
- **Convenient knockouts:** knockouts on the side of the enclosure are compatible with most charge controllers.

INCLUDES

- One DC breaker – 175A or 250A
- One 60A AC bypass breaker
- 500A/50mv DC shunt
- Inverter AC input protection
- Inverter hood

The MP, including installed Magnum products are covered under a five-year warranty!

See pages 14 - 15 for available configurations

Part Numbers	Dimensions (h x w x d)	Shipping Weight
MPSL175-30D	27" x 18" x 15" (68.6 cm x 45.7 cm x 38.1 cm)	50 lb (22.7 kg)
MPSL250-30D	27" x 18" x 15" (68.6 cm x 45.7 cm x 38.1 cm)	50 lb (22.7 kg)
MPSL250-60S	27" x 18" x 15" (68.6 cm x 45.7 cm x 38.1 cm)	50 lb (22.7 kg)

MPSL***-30D Configurations

*** can be either 175 or 250, depending on the inverter model. See page 26 for information on reading Magnum Panel part numbers.

Only MPSL250-30D configurations shown below for clarity.

MPSL250-30D (as shipped)



MPSL includes:

D60A AC System Bypass	500A/50mV DC Shunt
D30A AC Inverter Input Breaker	Inverter Hood
250A DC Battery Disconnect	Router Bracket

MPSL250-30D (as field installed)



MPSL includes:

- D60A AC System Bypass
- D30A AC Inverter Input
- 250A DC Battery Disconnect
- 500A/50mV DC Shunt
- Inverter Hood
- Router Bracket

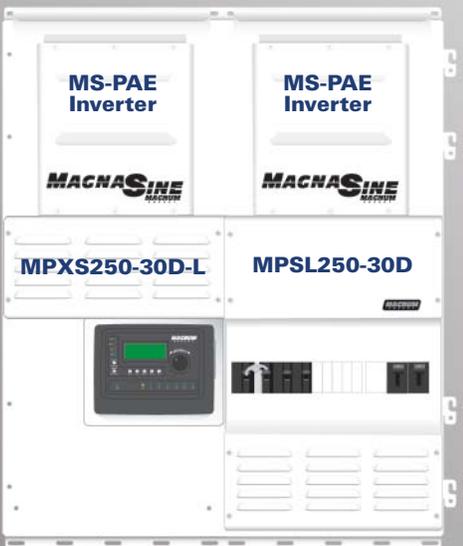
Options shown, not included:

- MS-PAE Parallel-stack inverter preferred, but any Magnum MS/ME/RD Series inverter – using 30 amp pass thru – can be used in this one inverter MP configuration. See MMP Series panels for additional single inverter installations.
- BP-S - mounting backplate - single

Continuous Power Output at 25 °C:

- 4kVA with one MS4024PAE
- 4.4kVA with one MS4448PAE

MPSL250-30D with MPXS250-30D-L (as field installed)



MPSL with MPX includes:

- D60A AC System Bypass
- D30A AC Inverter Inputs (x2)
- 250A DC Battery Disconnect (x2)
- 500A/50mV DC Shunt
- Inverter Hood (x2)
- Router Bracket

Options shown, not included:

- MS-PAE Parallel-stack inverter (x2)
- ME-RTR Router
- BP-D - mounting backplate - dual

Continuous Power Output at 25 °C:

- 8kVA with two MS4024PAEs
- 8.8kVA with two MS4448PAEs

MPSL250-30D with MPXS250-30D-R (as field installed)



MPSL with MPX includes:

- D60A AC System Bypass
- D30A AC Inverter Inputs (x2)
- 175 or 250A DC Battery Disconnect (x2)
- 500A/50mV DC Shunt
- Inverter Hood (x2)
- Router Bracket

Options shown, not included:

- MS-PAE Parallel-stack inverter (x2)
- ME-RTR Router
- BP-D - mounting backplate - dual

Continuous Power Output at 25 °C:

- 8kVA with two MS4024PAEs
- 8.8kVA with two MS4448PAEs

MPSL250-60S (as shipped)



MPSL includes:

D60A AC System Bypass	500A/50mV DC Shunt
S60A AC Inverter Input Breaker	Inverter Hood
250A DC Battery Disconnect	Router Bracket

MPSL250-60S (as field installed)



MPSL includes:

- D60A AC System Bypass
- S60A AC Inverter Input
- 250A DC Battery Disconnect
- 500A/50mV DC Shunt
- Inverter Hood
- Router Bracket

Options shown, not included:

- MS4024 Series-stack inverter preferred, but any Magnum MS/ME/RD Series inverter – using 60 amp pass thru – can be used in this one inverter MP configuration. See MMP Series panels for additional single inverter installations.
- BPS - mounting backplate - single

Continuous Power Output at 25 °C:

- 4kVA with one MS4024

MPSL250-60S with MPXS250-60S-L (as field installed)



MPSL with MPX includes:

- D60A AC System Bypass
- S60A AC Inverter Inputs (x2)
- 250A DC Battery Disconnect (x2)
- 500A/50mV DC Shunt
- Inverter Hood (x2)
- Router Bracket
- Series Stacking Cable

Options shown, not included:

- MS4024 Series-stack inverter (x2)
- ME-ARC Advanced Remotes (x2)
- BP-D - mounting backplate - dual

Continuous Power Output at 25 °C:

- 8kVA with two MS4024s

MPSL250-60S with MPXS250-60S-R (as field installed)



MPSL with MPX includes:

- D60A AC System Bypass
- S60A AC Inverter Inputs (x2)
- 250A DC Battery Disconnect (x2)
- 500A/50mV DC Shunt
- Inverter Hood (x2)
- Router Bracket
- Series Stacking Cable

Options shown, not included:

- MS4024 Series-stack inverter (x2)
- ME-ARC Advanced Remotes (x2)
- BP-D - mounting backplate - dual

Continuous Power Output at 25 °C:

- 8kVA with two MS4024s

MPSH – Magnum Panel



The MPSH shown with three inverters (sold separately), two optional MPX extensions to accommodate the additional inverters, two optional backplates, and an optional router.

The MPSH – Magnum Panel, Single Enclosure, High Capacity – is designed to accommodate a maximum of three inverters.

FEATURES

- **More power capacity:** the 125A bypass breaker and the 1000A DC shunt safely handle the power from larger systems.
- **Expandable:** start with the enclosure and just one inverter and in the future expand to up to three inverters with ease, using the MPX.
- **Labor saving:** panel is pre-wired for fast installation, saving labor costs.
- **Easy installation:** all connections are front-mounted, including AC and DC breakers and the MPX.
- **Convenient knockouts:** knockouts on the side of the enclosure are compatible with charge controllers.

INCLUDES

- One DC breaker – 175A or 250A
- One 125A AC bypass breaker
- 1000A/100mv DC shunt
- Inverter AC input protection
- Inverter hood

The MP, including installed Magnum products are covered under a five-year warranty!

Part Numbers	Dimensions (h x w x d)	Shipping Weight
MPSH175-30D	27" x 18" x 15" (68.6 cm x 45.7 cm x 38.1 cm)	53 lb (24.1 kg)
MPSH250-30D	27" x 18" x 15" (68.6 cm x 45.7 cm x 38.1 cm)	53 lb (24.1 kg)

MPSH***-30D Configurations

*** can be either 175 or 250, depending on the inverter model. See page 26 for information on reading Magnum Panel part numbers.

Only MPSH250-30D configurations shown below for clarity.

MPSH250-30D (as shipped)



MPSH includes:

D125A AC System Bypass	500A/50mV DC Shunt
D30A AC Inverter Input Breaker	Inverter Hood
250A DC Battery Disconnect	Router Bracket

MPSH250-30D with MPXS250-30D-L (as field installed)



MPSH with MPX includes:

- D125A AC System Bypass
- D30A AC Inverter Input (x2)
- 250A DC Battery Disconnect (x2)
- 500A/50mV DC Shunt
- Inverter Hood (x2)
- Router Bracket

Options shown, not included:

- MS-PAE Parallel-stack inverters (x2)
- ME-RTR Router
- BP-D - mounting backplate - dual

Continuous Power Output at 25 °C:

- 8kVA with two MS4024PAEs
- 8.8kVA with two MS4448PAEs

MPSH250-30D with MPXS250-30D-R (as field installed)



MPSH with MPX includes:

- D125A AC System Bypass
- D30A AC Inverter Input (x2)
- 250A DC Battery Disconnect (x2)
- 500A/50mV DC Shunt
- Inverter Hood (x2)
- Router Bracket

Options shown, not included:

- MS-PAE Parallel-stack inverters (x2)
- ME-RTR Router
- BP-D - mounting backplate - dual

Continuous Power Output at 25 °C:

- 8kVA with two MS4024PAEs
- 8.8kVA with two MS4448PAEs

MPSH250-30D with MPXS250-30D-L and MPXS250-30D-R (as field installed)



MPSH with MPX includes:

- D125A AC System Bypass
- D30A AC Inverter Input (x3)
- 250A DC Battery Disconnect (x3)
- 500A/50mV DC Shunt
- Inverter Hood (x3)
- Router Bracket

Options shown, not included:

- MS-PAE Parallel-stack inverters (x3)
- ME-RTR Router
- BP-S - mounting backplate - single
- BP-D - mounting backplate - dual

Continuous Power Output at 25 °C:

- 12kVA with three MS4024PAEs
- 13.2kVA with three MS4448PAEs

MPDH – Magnum Panel



The MPDH shown with four inverters (sold separately), two optional MPX extensions to accommodate the additional inverters, two optional backplates, and the optional Magnum router.

The MPDH – Magnum Panel, Dual Enclosure, High Capacity – is designed to accommodate a maximum of four inverters with two enclosures – one for AC connections and one for DC connections.

FEATURES

- **More power capacity:** the 125A bypass breaker and the 1000A DC shunt safely handle the power from larger systems.
- **Expandable:** start with the enclosures and just two inverters and in the future expand to up to four inverters, using the MPX.
- **Easy installation:** all connections are front-mounted, including AC and DC breakers and the MPX.
- **Labor saving:** panel is pre-wired for fast installation, saving labor costs.
- **DC load breakers:** fits either din rail or back-mount DC load breakers.
- **Convenient knockouts:** knockouts on the side of the enclosures are compatible with charge controllers.
- **Separate AC and DC enclosures:** for installers who prefer separate enclosures, the MPDH provides an easy solution.

INCLUDES

- Two DC breakers – 175A or 250A
- One 125A AC bypass breaker
- 1000A/100mv DC shunt
- Inverter AC input protection
- Two inverter hoods

The MP, including installed Magnum products are covered under a five-year warranty!

Part Numbers	Dimensions (h x w x d)	Shipping Weight
MPDH175-30D	MPDH175-30D-AC: 27" x 18" x 15" (68.6 cm x 45.7 cm x 38.1 cm) MPDH175-30D-DC: 27" x 18" x 15" (68.6 cm x 45.7 cm x 38.1 cm)	MPDH175-30D-AC: 46 lb (20.9 kg) MPDH175-30D-DC: 48 lb (21.8 kg)
MPDH250-30D	MPDH250-30D-AC: 27" x 18" x 15" (68.6 cm x 45.7 cm x 38.1 cm) MPDH250-30D-DC: 27" x 18" x 15" (68.6 cm x 45.7 cm x 38.1 cm)	MPDH250-30D-AC: 46 lb (20.9 kg) MPDH250-30D-DC: 48 lb (21.8 kg)

MPDH***-30D Configurations

*** can be either 175 or 250, depending on the inverter model. See page 26 for information on reading Magnum Panel part numbers.

Only MPDH250-30D configurations shown below for clarity.

MPDH250-30D (as shipped)



MPDH includes:

D125A AC System Bypass	500A/50mV DC Shunt
D30A AC Inverter Input Breaker (x2)	Inverter Hood (x2)
250A DC Battery Disconnect (x2)	Router Bracket

MPDH250-30D with MPXD250-30D-L (as field installed)



MPDH with MPX includes:

D125A AC System Bypass	1000A/100mV DC Shunt
D30A AC Inverter Input Breaker (x3)	Inverter Hood (x3)
250A DC Battery Disconnect (x3)	Router Bracket

Options shown, not included:

- MS-PAE Parallel-stack inverters (x3)
- ME-RTR Router
- BPS - mounting backplate - single
- BP-D - mounting backplate - dual

Continuous Power Output at 25 °C:

- 12kVA with three MS4024PAEs
- 13.2kVA with three MS4448PAEs

MPDH250-30D with MPXD250-30D-R (as field installed)



MPDH with MPX includes:

D125A AC System Bypass	1000A/100mV DC Shunt
D30A AC Inverter Input Breaker (x3)	Inverter Hood (x3)
250A DC Battery Disconnect (x3)	Router Bracket

Options shown, not included:

- MS-PAE Parallel-stack inverters (x3)
- ME-RTR Router
- BPS - mounting backplate - single
- BP-D - mounting backplate - dual

Continuous Power Output at 25 °C:

- 12kVA with three MS4024PAEs
- 13.2kVA with three MS4448PAEs

MPDH250-30D with MPXD250-30D-L and MPXD250-30D-R (as field installed)



MPDH with MPX includes:

D125A AC System Bypass	1000A/100mV DC Shunt
D30A AC Inverter Input Breaker (x4)	Inverter Hood (x4)
250A DC Battery Disconnect (x4)	Router Bracket

Options shown, not included:

- MS-PAE Parallel-stack inverters (x4)
- ME-RTR Router
- BP-D - mounting backplate - dual (x2)

Continuous Power Output at 25 °C:

- 16kVA with four MS4024PAEs
- 17.6kVA with four MS4448PAEs