

FX Inverter/Charger Temperature De-rating

Models: All FX Series Inverter/chargers

All OutBack FX inverters can deliver their full rated wattage at temperatures up to 25°C (77°F). OutBack FX inverter maximum wattage has a lower rating at higher temperatures. Above 25°C, the FX is derated by a factor of approximately 1%/C°. Note: in OutBack product literature, at maximum temperature extremes product performance is stated as “functions, but does not necessarily meet all component specifications” for this reason.

The following graphs show the FX wattage decreasing with increased temperature. The graph ends at 60° because FX inverters are not rated for operation above that temperature.

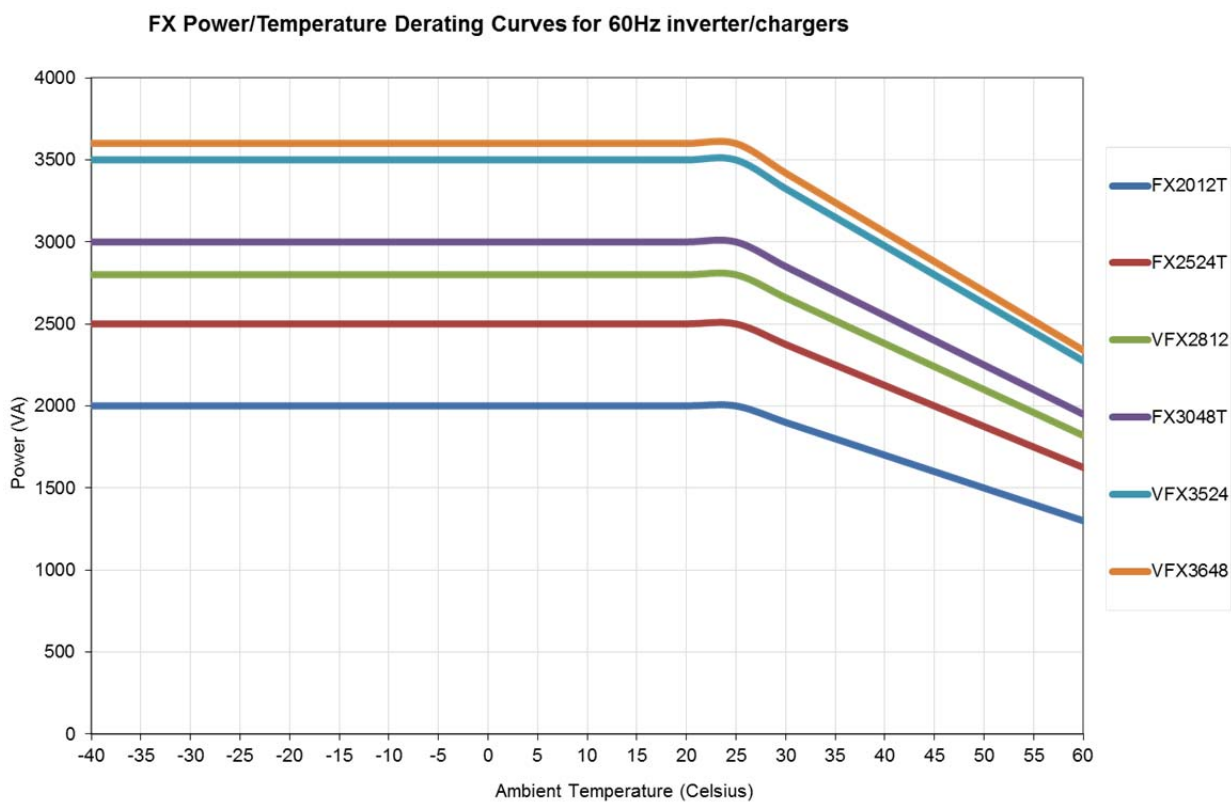


Figure 1: Power/Temperature de-rating for FX 60Hz models

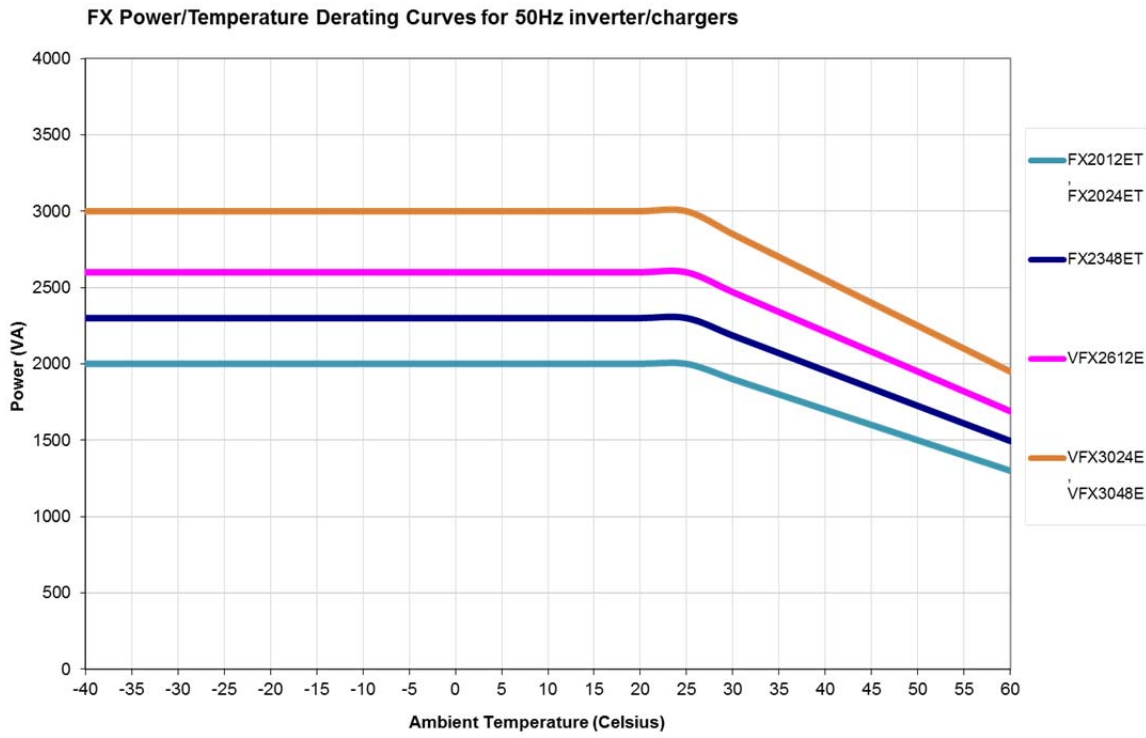


Figure 2: Power/Temperature de-rating for FX 50Hz models

Application Note

About OutBack Power Technologies

OutBack Power Technologies is a leader in off-grid and Grid/Hybrid advanced energy conversion technology. OutBack products include true sine-wave inverter/chargers, maximum power point tracking charge controllers, batteries, and system communication components, pre-assembled systems, and accessories.

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