

# FXR Inverter/Charger Temperature De-rating

## Models: All FX Series Inverter/chargers

All OutBack FXR inverters can deliver their full rated wattage at temperatures up to 25°C (77°F). OutBack FXR inverter maximum wattage has a lower rating at higher temperatures. Above 25°C, the FXR 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 FXR wattage decreasing with increased temperature. The graph ends at 60° because FXR inverters are not rated for operation above that temperature.

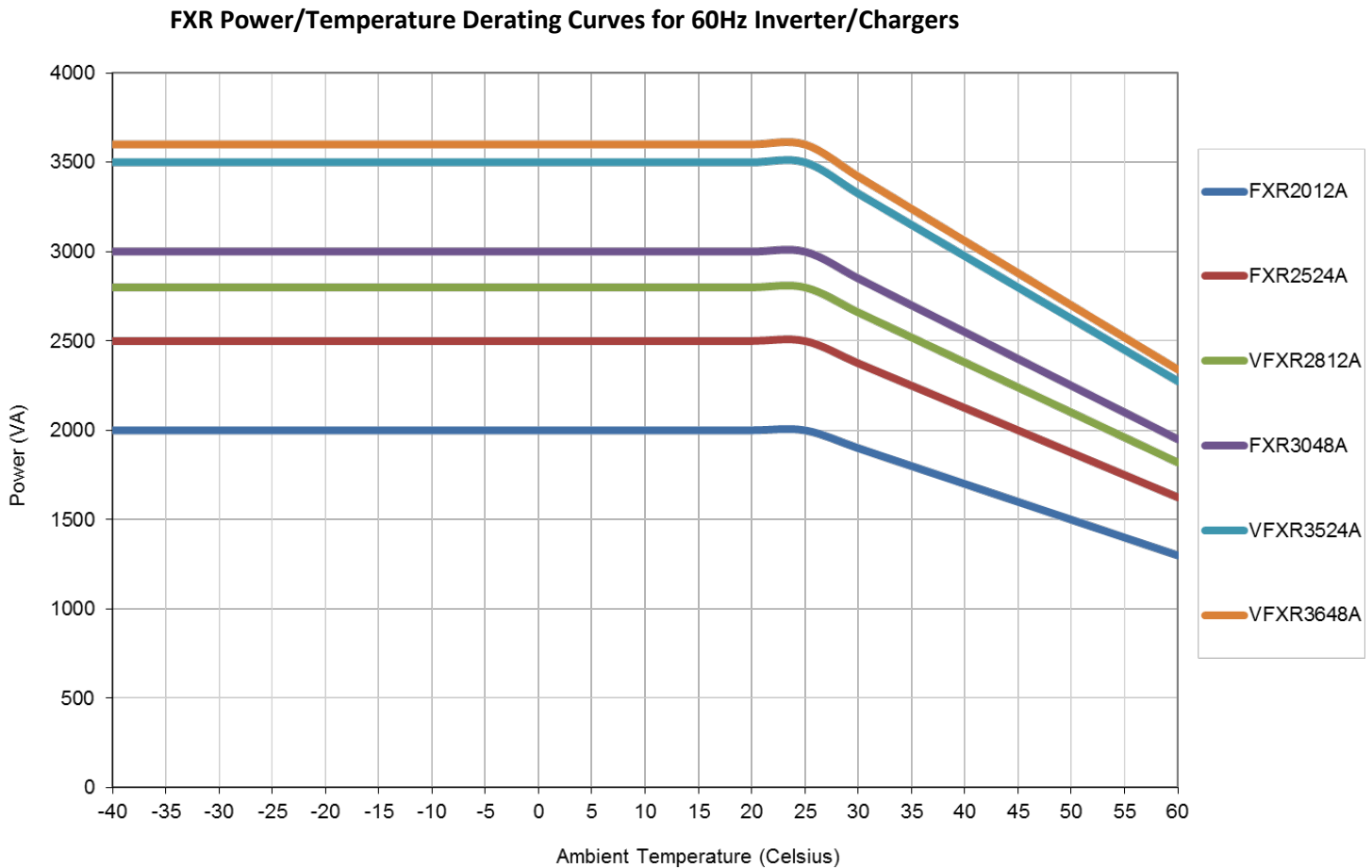


Figure 1: Power/Temperature de-rating for FXR 60Hz models

**FXR Power/Temperature Derating Curves for 50Hz Inverter/Chargers**

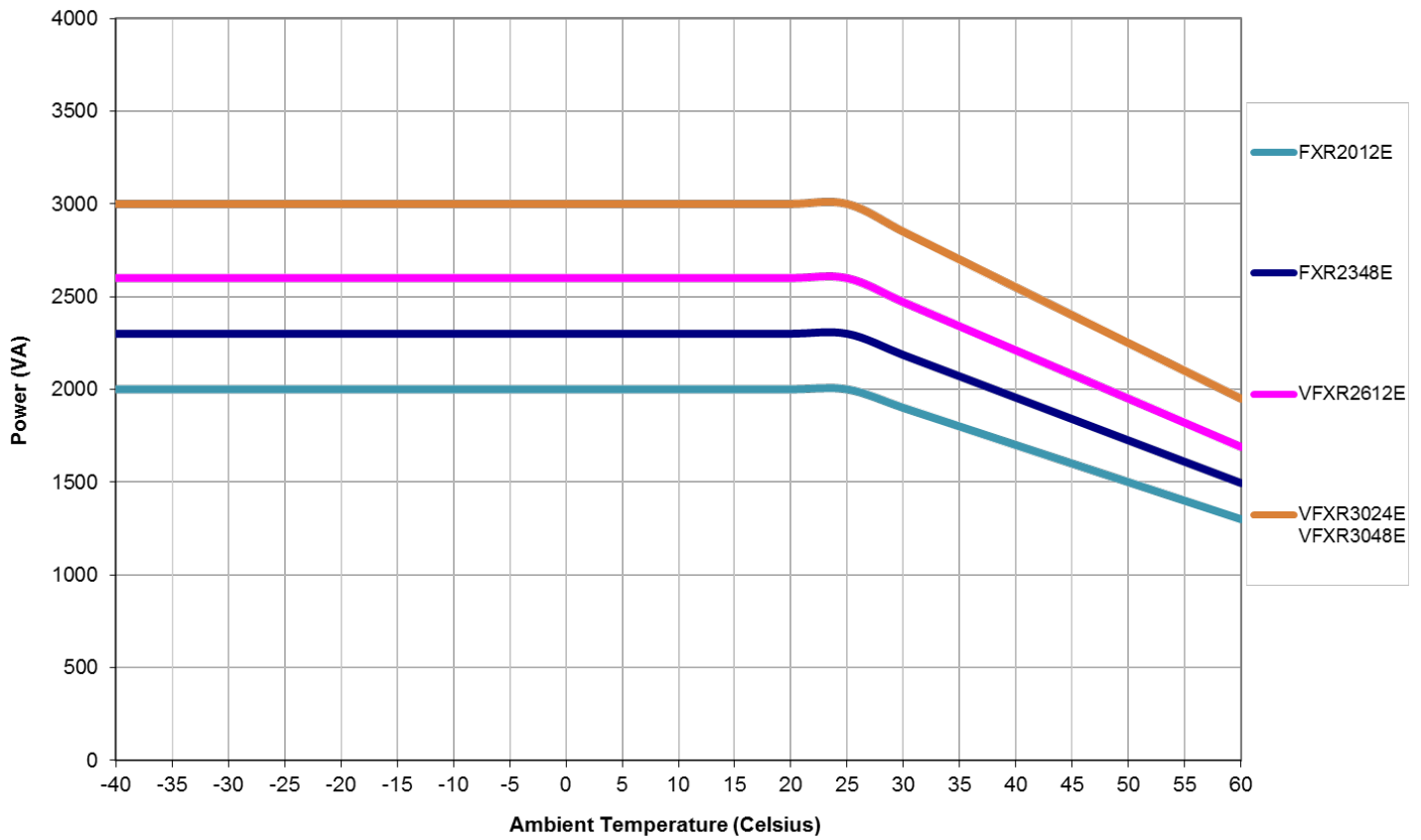


Figure 2: Power/Temperature de-rating for FXR 50Hz models

# 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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