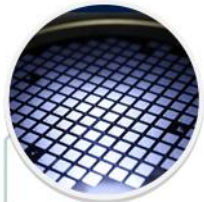
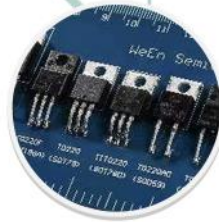
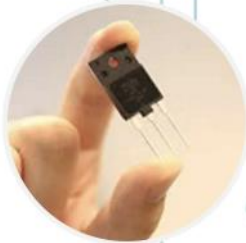




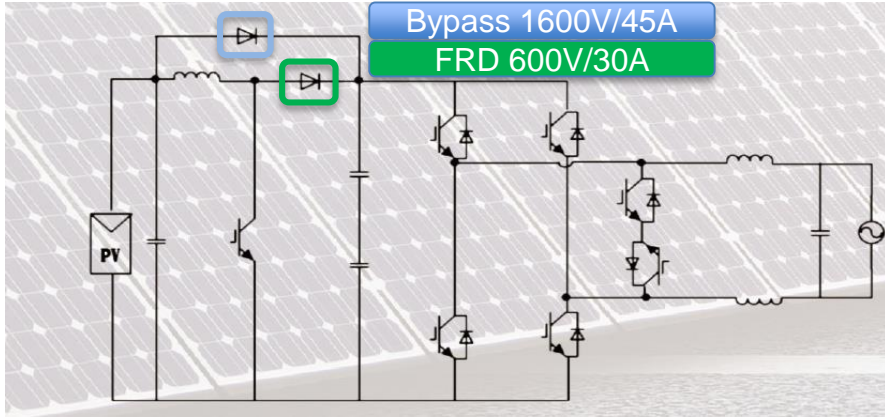
# New Product Introduction

## WNC3060D45160W

April 20, 2020



## Applications



- Solar inverter
- Continuous Current Mode (CCM) Power Factor Correction (PFC)

## Key Features and Benefits

**Hyperfast recovery diode with Standard recovery diode**  
 Space saving in customer application, two diodes in one package

- FRD 600V/30A, die of BYC30W-600P**
- Hyperfast switching
  - Low reverse recovery current
  - Platinum doped technology (SABER) for low leakage current at high temperatures, no risk of thermal runaway
  - Soft reverse recovery characteristics, low EMI

- Bypass Diode 1600V/45A, die of WND45P16W**
- Low forward voltage drop for low conduction losses
  - Low leakage current
  - High voltage capability
  - High inrush current capability
  - Planar technology

## Key Parameters & Package

- Package: TO-247 3-Lead
- Low thermal resistance
- RoHS compliant
- Reference parts:
- BYC30W-600P and WND45P16W



## Part number

**WeEn: WNC3060D45160W**  
 Unique part, no competition



**WeEn**

WeEn Semiconductors